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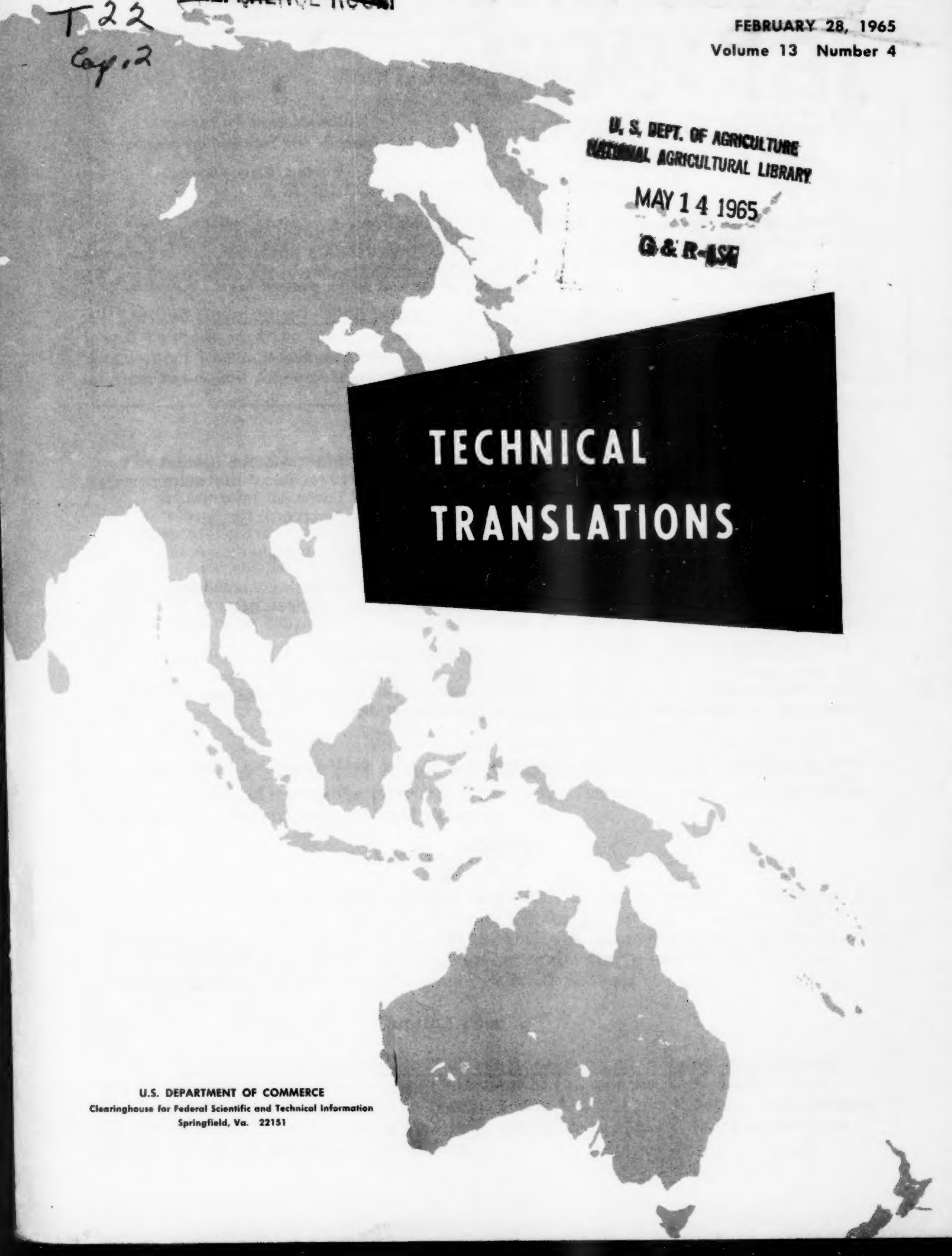
TECHNICAL TRANSLATIONS



U.S. DEPARTMENT OF COMMERCE
Clearinghouse for Federal Scientific and Technical Information
Springfield, Va. 22151

TECHNICAL TRANSLATIONS

U.S. DEPARTMENT OF COMMERCE
John T. Connor, Secretary

Clearinghouse for Federal
Scientific and Technical Information
Bernard M. Fry, Director

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The Special Libraries Association is responsible for collecting translations from non-Government sources, both domestic and foreign; the Clearinghouse for collecting translations from both U.S. and foreign government sources since 1940.

The material available from the Clearinghouse generally has been translated by other agencies of the Government and by private organizations and turned over to the Clearinghouse for reproduction and distribution. The Clearinghouse assumes no responsibility for the accuracy of the translations.

The Clearinghouse provides reference service for the location and identification of translated materials, both completed translations and translations in process.

special ANNOUNCEMENTS

A SINGLE INDEX FOR NEW FEDERAL R &D

A Clearinghouse publication beginning March 1965 will provide scientists, engineers and research managers with a single index to new unclassified Government-sponsored technical information.

Entitled Government-Wide Index to Federal Research and Development Reports, it will be made up from machinable index records of four major Government announcement journals prepared by the Atomic Energy Commission, National Aeronautics and Space Administration, Department of Defense, and the Clearinghouse.

Journals To Be Indexed

The agency announcement journals to be covered by the Government-Wide Index are:

Nuclear Science Abstracts (AEC)

Scientific and Technical Aerospace Reports (NASA)

Technical Abstract Bulletin (Defense Documentation Center)

U.S. Government Research and Development Reports (Clearinghouse)

Technical Translations is not included in the program at this time. However, certain foreign translations cited in Technical Translations that are also announced in one of the four journals listed above, will, of course, be indexed.

Appearing the 15th of each month, the Government-Wide Index will list the reports announced during the previous month. The first issue will bring the series up to date by covering January and February 1965.

Computer-Merged

For this project, the Clearinghouse is initially using the computer facilities of the Aerospace Research Applications Center at the University of Indiana. The journal records, in the form of punched paper tapes, magnetic tapes, and cards, are fed into the computer which merges them into a single index under the four standard access points of subject, author, source and report number.

How to Order

The Government-Wide Index to Federal Research and Development Reports will be printed and sold by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C., 20402. Price is $10 for a one-year subscription (12 issues); add $2.50 for foreign mailing; single issue, $1.25. Make remittance payable to Superintendent of Documents.

CONTENTS

Page

HOW TO ORDER TRANSLATIONS v
BIBLIOGRAPHY 221
AGRICULTURE 221
  Animal Husbandry 223
  Plant Cultivation 223
ASTRONOMY 225
  Astrophysics 225
BEHAVIORAL SCIENCES 225
  Human Engineering 225
BIOLOGICAL SCIENCES 226
  Anatomy and Physiology 226
  Biochemistry 229
  Botany 233
  Medical Specialties and Equipment 234
  Microbiology 235
  Neurology and Psychiatry 237
  Pathology 237
  Pharmacology and Toxicology 242
  Radiobiology 248
  Surgery 250
  Zoology 251
CHEMISTRY 252
  Analytical Chemistry 253
  Inorganic Chemistry 254
  Organic Chemistry 256
  Physical Chemistry 263
EARTH SCIENCES 265
  Climatology and Meteorology 266
  Frost Science 266
  Geodesy 266
  Geography 267
  Geology 267
  Mineralogy 268
  Oceanography 269
  Physics of the Atmosphere 269
  Seismology 269
ENGINEERING 270
  Aeronautical Engineering 271
  Chemical Engineering 271
  Civil Engineering 284
  Electrical and Electronic Engineering 285
  Mechanical Engineering 286
  Ordnance, Missiles, and Satellite Vehicles 287
  Sanitation and Safety Engineering 287
FOOD, HANDLING, AND PACKAGING EQUIPMENT 288
MACHINERY, FABRICATION, AND ACCESSORY EQUIPMENT 289
  Engines and Propulsion Systems 289
  Manufacturing Equipment and Processes 289
  Transport, Traction and Hoist Facilities 290
MATERIALS 291
  Adhesives and Sealants 292
  Ceramics and Refractories 292
  Fuels, Lubricants, and Hydraulic Fluids 294
  Leather and Textiles 295
  Paints and Finishes 296
  Photographic Materials 296
  Plastics 296
  Rubber and Elastomers 299
  Wood and Paper 300
MATHEMATICS 300
MECHANICS 302
  Hydrodynamics, Hydraulics and Hydrostatics 303

Page
METALLURGY 303
Ferrous Metals 304
Light Metals 308
Nonferrous (except light) Metals 311
Structural Metallurgy and Corrosion 311
NUCLEAR PHYSICS AND NUCLEAR CHEMISTRY 313
PHYSICS 313
Acoustics 314
Electronics 314
Molecular Physics and Spectroscopy 314
Optics 315
Solid State Physics 315
Thermodynamics 316
RESEARCH METHODS, TECHNIQUES AND EQUIPMENT 317
SOCIAL SCIENCES 318

BOOK REVIEWS .... No Entries
TRANSLATIONS IN PROCESS B-13
PERIODICALS TRANSLATED COVER-TO-COVER C-277
Tables of Contents C-278
AUTHOR INDEX I-1
JOURNAL INDEX I-5
NUMBER INDEX I-13

HOW TO ORDER TRANSLATIONS

The translations reported in this issue are arranged under the categories indicated in the Contents. The sub-groups of the categories are flexible and used only when there are several translations in a particular sub-group. When the subject of a sub-group is not included in the Contents, reference should be made to the general category into which it falls.

References to sources of original text are given as they appear on the translation, with sufficient editing to assure uniformity in citations.

Some of the translation notes for individual translations have been marked with the symbol (#) preceding the name of the journal. This symbol indicates that the particular journal is also translated cover-to-cover.

Listed below are agencies from which translations may be purchased. Each entry in the Technical Translations indicates by symbol the agency from which the translation should be ordered, the cost of the translation (if known), and the number by which the translation may be ordered, if such a number exists. Make check or money order payable to the agency indicated.

SYMBOLS FOR SOURCES OF TRANSLATIONS

AC
A. Capelo
P. O. Box 46354
Hollywood, California 90046

AGI
AGI Translations Office
American Geological Institute
1444 N Street, N. W.
Washington, D. C. 20005

AGS
American Geographical Society
Broadway at 156th Street
New York, New York 10032

AGU
American Geophysical Union
Suite 506, 1145 19th Street, N. W.
Washington, D. C. 20036

AIAA
American Institute of Aeronautics
& Astronautics
500 Fifth Avenue
New York, New York 10036

AIBS
American Institute of Biological
Sciences
2000 P Street, N. W.
Washington, D. C. 20006

AIP
American Institute of Physics
335 East 45th Street
New York, New York 10017

AIS
Argus Information Service
624 N. Eutaw Street
Baltimore, Maryland 21201

AM
Acta Metallurgica
122 East 55th Street
New York, New York 10022

AMS
American Mathematical Society
190 Hope Street
Providence, Rhode Island 02906

ANSP
Academy of Natural Sciences
of Philadelphia
19th St. & The Parkway
Philadelphia, Pennsylvania 19103

API
Academic Press, Inc.
111 Fifth Avenue
New York, New York 10003

ARS
American Rocket Society, Inc.
20th & Northampton Streets
Easton, Pennsylvania 18042

ATS
Associated Technical Services, Inc.
P. O. Box 271
East Orange, New Jersey 07017

BGIRA
British Glass Industry Research
Association
Northumberland Road
Sheffield 10, England

BIHR
Circulation Manager
Translations of the Beltone
Institute for Hearing Research
2900 West 36th Street
Chicago, Illinois 60632

BISI
British Iron & Steel Industry
Translation Service
The Iron & Steel Institute
4, Grosvenor Gardens
London, S. W. 1, England

BWRA
British Welding Research
Association
Abington Hall, Abington
Cambridge, England

CB
Consultants Bureau Enterprises,
Inc.
227 West 17th Street
New York, New York 10011

CBT
Centre Belge de Traductions
Bibliotheque Royale
4 Boulevard de l'Empereur
Brussels, Belgium

CCT
Consultants Custom Translations
Inc.
227 West 17th Street
New York, New York 10011

CHP
Cleaver-Hume Press, Ltd.
31, Wright's Lane
London, W. 8, England

CID
Centro de Informacion y
Documentacion,
Patronato Juan de la Cierva,
Serrano 150, Apartado 743
Madrid 6, Spain

CIDNT
Centralny Instytut Dokumentacji
Naukowo-Technicznej
Warszawa 12
Aleja Niepodleglosci 188
Poland

CNP
Comitato Nazionale per la
Produttivita
Service d'Information
Viale Regina Margherita N. 83D
Rome, Italy

CNRS
Centre National de la Recherche
Scientifique
Centre de Documentation
15 Quai Anatole France
Paris 7, France

CSIR
Council for Scientific and Industrial
Research
The Head
Information Division
P. O. Box 395
Pretoria, Union of South Africa

CSIRO
Commonwealth Scientific & Industrial Research Organization
Information Service
314 Albert Street
East Melbourne C. 2, Victoria
Australia

CTRA
The Librarian
The Coal Tar Research
Association
Oxford Road
Gomersal, Leeds, England

CTS(Chem)
Chemical Translating Service
2243 Greer Road
Palo Alto, California 94300

CTT
Columbia Technical Translations
5 Vermont Avenue
White Plains, New York 10600

DI
Circulation Unit
Department of the Interior
Central Library.
Room 1149
Washington, D. C. 20240

DTC
Danish Translations Centre,
c/o Library of the Danish Atomic
Energy Commission,
Riso. Roskilde, Denmark

EIS
Engineering Information Services
Kirkham, Preston, Lancashire
England

ES
Erica Stux
584 Moreley Avenue
Akron, Ohio 44320

ETC
European Translations Centre
Doelenstraat 101, Delft,
The Netherlands

ETH
Eidgenossische Technische
Hochschule
Zurich, Switzerland

ETHB
Eidgenossische Technische
Hochschulbibliotek
Leonhardstrasse 33
Zurich, Switzerland

EURO-T. S.
Euro-Translation Service
20 Rue Europe
Grivegnee (Liège), Belgium

FASEB
Federation of American Societies
for Experimental Biology
9650 Wisconsin Avenue
Washington, D. C. 20014

FRI
Fulmer Research Institute, Ltd.
Stoke Poges,
Buckinghamshire, England

FT
Faraday Translations
15 Park Row
New York, New York 10038

GB
Gordon and Breach
Publishers, Inc.
150 Fifth Avenue
New York, New York 10011

GPO
Superintendent of Documents
Government Printing Office
Washington, D. C. 20402

GPRC
Geophysical & Polar Research
Center
6021 S. Highland Road
Madison, Wisconsin 53706

HB
Henry Brutcher
P. O. Box 157
Altadena, California 91001

HMSO
Her Majesty's Stationery Office
P. O. B. 569
London, S. E. 1, England

HTCBN
Hungarian Trading Company for
Books & Newspapers "Kultura"
Budapest 62, P. O. Box 149

ICE
International Chemical
Engineering
345 East 47th Street
New York, New York 10017

IEEE
Institute of Electrical & Electronics Engineers
275 Madison Avenue
New York, New York 10016

INFOSERV
Infoserv
P. O. Box 217
West Hartford, Connecticut 06097

INT
International Patent Service N. V.
P. O. Box 101
's-Hertogenbosch,
The Netherlands

IP
Interscience Publishers, Inc.
250 Fifth Avenue
New York, New York 10001

IPST
Israel Program for Scientific Translation
Kiryat Moshe
P. O. Box 7145
Jerusalem, Israel

ISA
Instrument Society of America
530 William Penn Place
Pittsburgh, Pennsylvania 15219

K-H
Kresge-Hooker Science Library Associates
Wayne State University
Detroit, Michigan 48202

LAND-AIR
Land-Air, Inc.
Pacific Missile Range
Point Mugu, California 95468

LC
Photoduplication Service
Publication Board Project
Library of Congress
Washington, D. C. 20540

LNEC
Laboratorio Nacional de Engenharia Civil
Ministerio das Obras Publicas
Avenida do Brasil
Lisbon 5, Portugal

LSA
Literature Service Associates
Route 1
Bound Brook, New Jersey 08805

MACL
Maclaren and Sons, Ltd.
Maclaren House
131 Great Suffolk Street
London, S. E. 1, England

MACM
Macmillan Co.
60 Fifth Avenue
New York, New York 10011

MDF
Morris D. Friedman
7553 Waterford Drive
San Jose, California 95129

MPIK
Max-Planck-Institut fur Kohlenforschung
Bibliothek der Abteilung Strahlenchemie Stiftstrasse 34-36
433 Mulheim and der Ruhr,
West Germany

MT
M. de O. Tollemache
Pennyford Cottage,
Burrington,
Umberleigh, Devon, England

MUL
Mulholland Engineering Translations
26 Burton Woods Lane
Cincinnati, Ohio 45229

NASA
National Aeronautics and Space Administration
1520 H Street, N. W.
Washington, D. C. 20546

NLL
National Lending Library for Science and Technology
Boston Spa, Yorkshire, England

NRCC
National Research Council, Library
Ottawa 2, Canada

OB
Oliver & Boyd, Ltd.
Tweeddale Court
14 High Street
Edinburgh 1, Scotland

OSA
Optical Society of America, Inc.
33 University Road
Cambridge, Massachusetts 02138

OTS
Clearinghouse for Federal Scientific & Technical Information (Formerly Office of Technical Services)
Port Royal & Braddock Roads
Springfield, Virginia 22151
(Also Available through Department of Commerce Field Offices)

PERA
The Information Manager
Production Engineering Research Association
Melton Mowbray
Leicestershire, England

PLP
Plenum Press, Inc.
227 West 17th Street
New York, New York 10011

PP
Pergamon Press
122 East 55th Street
New York, New York 10022

PS
Primary Sources
11 Bleecker Street
New York, New York 10012

RIA
Research International Associates
1522 Connecticut Avenue, N. W.
Washington, D. C. 20006

RIS
Research Information Service
Div. of Maxwell Scientific International, Inc.
122 East 55th Street
New York, New York 10022

RIS
Research Information Service
Div. of Pergamon International Corp.
122 East 55th Street
New York, New York 10022

SA
Seizaburo Aoki
Japanese Language Translation Service
15/2027 Chogo
Fujisawa, Japan

SIAM
Business Manager
SIAM Publications
Box 7541
Philadelphia, Pennsylvania 19100

SIC
Scientific Information Consultants Limited
661 Finchley Road
London N. W. 2, England

SLA
SLA Translations Center
The John Crerar Library
35 West 33rd Street
Chicago, Illinois 60616

ST
Scripta Technica, Inc.
1000 Vermont Avenue, N. W.
Washington, D. C. 20005

STC
Swedish Translation Centre
Kunglige Tekniske Hogskolans Bibliotek
Leonhardstrasse 33
Zurich, Switzerland

STS
Scientific Translation Service
1938 Verdugo Knolls Drive
Glendale, California 91200

STT
SCIENTECH, Scientific & Technical Translations
P. O. Box 3530
Cleveland, Ohio 44118

TC
Trans-Chem
1216 Oakdale, S. E.
Knoxville, Tennessee 37914

TDL
Mr. John Wiley
Technical Development Laboratories
P. O. Box 769
Savannah, Georgia 31400

TF
Taylor and Francis Ltd.
Red Lion Court, Fleet Street,
London, E. C. 4, England

TIB
Technische
Informationsbibliothek
Am Welfengarten 1,
Hannover, West Germany

TIC
Technical Information Company
Patents Department
Chancery House
Chancery Lane
London, W. C. 2, England

TTIS
Translation and Technical Information Services
32 Manaton Road
London, S. E. 15, England

UBO
Royal University Library
Drammensveien 42B
Oslo, Norway

WBI
Warren Birkenhead, Inc.
901 Northern Life Tower
Seattle, Washington 98101
or
No. 25, 2-Chome, Shiba Hamamatsu-Cho
Minato-Ku, Tokyo, Japan

UNITED STATES DEPARTMENT OF COMMERCE
Clearinghouse for Federal Scientific and Technical Information
Formerly Office of Technical Services

Springfield, Va. 22151

TECHNICAL TRANSLATIONS

Volume 13, Number 4 **Pages** 221 - 318 February 28, 1965

BIBLIOGRAPHY

Library of Congress, Washington, D. C.
MONTHLY INDEX OF RUSSIAN ACCESSIONS.
Order from GPO $12.00/year

This index is a record of the publications in the Russian language issued in and outside the Soviet Union that are currently received by the Library of Congress and a group of cooperating libraries. Wherever possible, publications printed in other languages spoken in the Soviet Union are also included. It consists of three parts; Part A lists monographic literature published after 1944, with the title in the original language preceded by its English translation; Part B lists periodicals published after 1946; Part C constitutes a subject guide to both the monographs and periodical articles listed in Parts A and B.

AGRICULTURE

APPAREIL D'INJECTION D'ENGRAIS LIQUIDES. Org.62-XIgI-121.
Order from CNRS G/R-2716

Trans. in French of Traktory i Sel'khozmashiny (USSR) 1962 [v.32] no.6, p.34ff.

CHARRUE AVEC VERSOIRS EN FORME DE TOUPIE. Org.62-XIf2-55.
Order from CNRS G/R-2715

Trans. in French of Traktory i Sel'khozmashiny (USSR) 1962 [v.32] no.11 p.46ff.

CHOIX DES PROFILS DE CONSTRUCTION MINCES D'APRES LEUR RESISTANCE AUX CHARGES REPETEES ET VARIABLES. Org.62-IIc52.
Order from CNRS G/R-2723

Trans. in French of Traktory i Sel'khozmashiny (USSR) 1962 [v.32] no.7, p.35ff.

DETERMINATION DE LA REGULARITE DE SEMIS DE GRAINES A L'AIDE DE LA PHOTOGRAPHIE RAPIDE. Org.62-V12-217.
Order from CNRS G/R-2712

Trans. in French of Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva (USSR) 1962 [v. 20] no. 6, p. 15ff.

ESSAIS DE RIGIDITE DE LA BOITE DE VITESSE D'UN TRACTEUR DE LA CLASSE DE 6 TONNES. Org.62-Vd2-67.
Order from CNRS G/R-2721

Trans. in French of Traktory i Sel'khozmashiny (USSR) 1962 [v.32] no.8, p.5ff.

ETUDE DES EFFORTS FOURNIS PAR LES ORGANES DE TRANSMISSION DU TRACTEUR A ROUES. Org.62-Vd2-62 Vd3-15.
Order from CNRS G/R-2711

Trans. in French of Traktory i Sel'khozmashiny (USSR) 1962 [v.32] no.5, p.8ff.

ETUDE DU COEFFICIENT DE RENDEMENT DES TRANSMISSIONS DE TRACTEURS. Org.62-Vd2-62 Vd3-16.
Order from CNRS G/R-2713

Trans. in French of Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva (USSR) 1962 [v. 20] no. 2, p. 16ff.

ETUDE D'UN SEMOIR PNEUMATIQUE. Org.62-V12-189.
Order from CNRS G/R-2719

Trans. in French of Traktory i Sel'khozmashiny (USSR) 1962 [v.32] no.6, p.20ff.

METHODE DE DETERMINATION RAPIDE DE LA QUALITE DE PULVERISATION D'UN LIQUIDE. Org.62-IIc52.
Order from CNRS G/R-2722

Trans. in French of Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva (USSR) 1962 [v. 20] no. 5, p. 56ff. Another trans. is available in French from CNRS as G/R-2720.

METHODE DE DETERMINATION RAPIDE DE LA QUALITE DE PULVERISATION D'UN LIQUIDE. Org.62-Vpl-144.
Order from CNRS G/R-2720

Trans. in French of Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva (USSR) 1962 [v. 20] no. 5, p. 56ff. Another trans. is available in French from CNRS as G/R-2722.

NOUVEAUX MECANISMES DU TRACTEUR DT-75. Org.62-XIdl-19.
Order from CNRS G/R-2714

Trans. in French of Tekhnika v Sel'skom Khozyaistve (USSR) 1962 [v.22] no.10, p.43ff.

NOUVELLES METHODES DE SEMIS DE CEREALES. Org.62-V 12-199.
Order from CNRS G/R-2709

Trans. in French of Tekhnika v Sel'skom Khozyaistve (USSR) 1962 [v.22] no.8, p.4ff.

PERSPECTIVES DE DEVELOPPEMENT DES MOTEURS DE TRACTEURS. Org.62-VIo-117.
Order from CNRS G/R-2717

Trans. in French of Traktory i Sel'khozmashiny (USSR) 1962 [v.32] no.4, p.3ff.

RECOLTE MECANIQUE DU RAISIN. Org.62-XIh6-13.
Order from CNRS G/R-2725

Trans. in French of Traktory i Sel'khozmashiny (USSR) 1962 [v.32] no.6, p.31ff.

[Demidko, M. E].
FONCTIONNEMENT DES CULTIVATEURS ET DES HERSES A DISQUES A DES VITESSES ACCURES [Performance of Cultivators and Disc Plough Harrows at High Speeds]. Org. 62-Vk3-196.
Order from CNRS G/R-2724

Trans. in French of Traktory i Sel'khozmashiny (USSR) 1962 [v. 32] no. 3 [p. 29-31].

Kacharava, P.M.
ACTION TOXIQUE DES HERBES VIVACES SUR LES ARBRES FRUITIERS. Org.40.
Order from CNRS G/R-2659

Trans. in French of Vestnik Sel'skokhozyaistvennoi Nauki (USSR) 1961, v.6, no.6, p.106-108.

Kondrashchuk, P.K.
DIE HINDERNISSE DER KONTINUIERLICHEN FLACHSERNTE (Chto Meshaet Potochnoi Uborke L'na). 14 Oct 63. 10p.
Order from ETC $1.10 TT-63-27830

Trans. in German of Len i Konoplya (USSR) 1962, v.7, no.6, p.1-4.

Korovin, V.A.
PERTE DE LA RESISTANCE AU FROID CHEZ LE POMMIER DANS LE CAS D'INCOMPATIBILITE ENTRE PORTE-GREFFE ET GREFFON. Org.40.
Order from CNRS G/R-2660

Trans. in French of #Fiziologiya Rastenii (USSR) 1961, v.8, no.4, p.476-481.

[Kuznetsov, B.F]
LE SEMOIR DE BETTERAVES 2 SPS-6 AVEC ADAPTATION POUR L'ECLAIRCISSAGE DES PLANTULES. Org.62-XIIg2-117.
Order from CNRS G/R-2718

Trans. in French of Traktory i Sel'khozmashiny (USSR) 1962 [v.32] no.3 p.34ff.
Another trans. is available in English from OTS, ETC or SLA $2.60 in TT-62-32890, JPRS-15219, 11 Sep 62 [28p].

Nesterov, Ya.S.
LE PERIODE DE REPOS DU SYSTEME RADICULAIRE DU POMMIER. Org.40.
Order from CNRS G/R-2661

Trans. in French of Akademiya Nauk SSSR. Doklady, 1962, v.147, no.5, p.1230-1233.

Novichenko, Ya. Z. and Kossov, E. V.
LE SEMOIR POUR CEREALES ET GRAINES FOURRAGERES SZP-47 [SZP-47 Grain and Grass Press Planter]. Org. 62-V 12-216 XIg2-129.
Order from CNRS G/R-2710

Trans. in French of Traktory i Sel'khozmashiny (USSR) 1963 [v. 33] no. 1, p. 29-f[30].
Another trans. is available in English from OTS $0.75 in TT-63-21433, JPRS-18384, 27 Mar 63.

Rogova, T. I.
ON THE RESULTS OF THE SCIENTIFIC RESEARCH WORKS ON PLANT QUARANTINE (K Itogam Nauchno-Issledovatel'skikh Rabot po Karantinu Rastenii). 1964 [5p] PL-480 Agr.
Order from OTS HC $1.00 TT-64-11079

Trans. of [Zashchita Rastenii ot Vreditelei i Boleznei (USSR) 1962, v. 7, no. 6, p. 47-50].

Samoilov, M.A.
ELEMENTE UND METHODEN DER UNTERSUCHUNGEN BEI DER ERPROBUNG DER MASCHINEN FUR DIE AUSPFLANZUNG VON ZUCKERRÜBENSTECKLINGEN (Elementy i Metody Issledovaniya pri Ispytanii Mashin dlya Posadki Vysadkov Sakharnoi Svekly). 8 July 63, 12p.
Order from ETC $1.60 TT-63-27833

Trans. in German of Vsesoyuznyi Nauchno-Issledovatel'skii Institut Sakharnoi Svekly. Byulleten' Nauchno-Tekhnicheskoi Informatsii (USSR) 1959, no.7, p.82-87.

Tarchevskii, I.A. and Siyanova, N.S.
INFLUENCE DE LA SECHERESSE SUR LA TRANSFORMATION PHOTOSYNTHETIQUE DU CARBONE DANS LES FEUILLES DE BLE. Org.40.
Order from CNRS G/R-2672

Trans. in French of #Fiziologiya Rastenii (USSR) 1962, v.9, no.5, p.534-541.

Animal Husbandry

Kalashnik, I.A.
THERAPIE TISSULAIRE EN CHIRURGIE VETERINAIRE. 10p. CNRS-XVI 219.
Order from ETC or CNRS $1.10 TT-62-28649

Trans. in French of Veterinariya (USSR) 1951, v.28, no. (?) p. 41-45.

Kesner, B.
MICROCLIMAT DES ETABLES OUVERTES. 32p. CNRS-II 208.
Order from ETC or CNRS $3.60 TT-64-26231

Trans. in French of Zemedelska Technika (Czechoslovakia) [sic] 1960, v. 6, no. 6, n.p.

Milovanov, V. K., ed.
ARTIFICIAL INSEMINATION OF LIVESTOCK IN THE U.S.S.R.: A VISUAL-AID ALBUM
A. Birron and Z. S. Cole, trs. 1964, 152p
PL-480 Agr.
Order from OTS HC $5.00 TT-64-11076

Trans. of mono. Al'bom po Iskusstvennomu Osemeneniyu Sel'skokhozyaistvennykh Zhivotnykh, Moscow, 1960 [136p].

Ustinov, I. D.
SOURCES OF INFECTION OF PIGS BY METASTRONGYLIDS (Istochniki Zarazheniya Svinei Metastrongilidami). Sep 64 [12p] RTS-2655.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19960

Trans. of Vsesoyuznyi Institut Gel'mintologii. Trudy (USSR) 1963, v. 10, p. 63-67.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy

Plant Cultivation

Andreeva, I.S.
APITUDE DU POIRIER A L'ENRACINEMENT PAR BOUTURES EN VERT. Org.40.
Order from CNRS G/R-2674

Trans. in French of Agrobiologiya (USSR) 1959, no.1, p.146-147.

Chailakhyan, M.Kh.
FACTEURS HORMONAUX DE LA FLORAISON DES PLANTES. Org.40.
Order from CNRS G/R-2665

Trans. in French of #Fiziologiya Rastenii (USSR) 1958, v.5, no.6, p.541-560.

Dominik, T., Nespiak, A., and Pachlewski, R.
INVESTIGATIONS ON MYCOTROPHY OF PLANT ASSOCIATIONS OF THE UPPER TIMBER ZONE IN THE TATRA (Badanie Mykotrofizmu Zespolow Roslinnych Regla Gornego w Tatrach)
A. Radziwill, tr. 1964 [18p] 6refs PL-480 Agr.
Order from OTC HC $0.50 TT-61-11330

Trans. of [Polskie Towarzystwo Botaniczne]. Acta Societatis Botanicorum Poloniae, 1954, v. 23, no. 3, p. 487-504.

Enikeev, Kh.K.
RESULTATS D'HYBRIDATION INTERSPECIFIQUE DES FRUITS ET BAIES. Org.40.
Order from CNRS G/R-2658

Trans. in French of Agrobiologiya (USSR) 1959, no.6, p.924-928.

Esaulova, I.N.
BIOLOGIE DE LA FLORAISON ET DE LA POLLINISATION CHEZ LE POIRIER. Org.40.
Order from CNRS G/R-2673

Trans. in French of Agrobiologiya (USSR) 1960, no.2, p.268-272.

Fauconneau, G.
THE ORGANIC ACIDS OF FORAGE PLANTS. PT. II. VARIATIONS WITH THE STAGE OF DEVELOPMENT IN THE CASE OF ORCHARD GRASS AND MEADOW FESCUE. [17p] 5refs.
Order from SLA $1.60 TT-64-30288

Trans. of Annales de Physiologie Vegetale (France) 1959, v. 1, no. 2, p. 179-187.

Gulyaev, E.I. and Ronsal', G.A.
INFLUENCE DES SECRETIONS RADICULAIRES DES LEGUMINEUSES ANNUELLES SUR LA VITALITE DU MAIS DANS LES CULTURES MIXTES. Org.40.
Order from CNRS G/R-2666

Trans. in French of Botanicheskii Zhurnal (USSR) 1962, v.47, no.8, p.1252-1260.

Ishchenko, L.A.
POPULATIONS DE VENTURIA INAEQUALIS AD. ET LEUR VARIABILITE. Org.40.
Order from CNRS G/R-2655

Trans. in French of Agrobiologiya (USSR) 1960, no.6, p.936-938.

Kamenskaya, M.A.
MULTIPLICATION DU COGNASSIER SEVERNAJA. Org.40.
Order from CNRS G/R-2675

Trans. in French of Sadovodstvo (USSR) 1961, no.4, p.28-30.

Kolesnikov, V.A.
MODIFICATIONS DE LA TENEUR EN CERTAINES SUBSTANCES DANS LES FEUILLES ET RACINES DU POMMIER SOUS L'INFLUENCE DE L'IRRIGATION. Org.40.
Order from CNRS G/R-2667

Trans. in French of Moskovskaya Sel'skokhozyaistvennaya Akademiya. Doklady, 1961, v. 72, p. 171-186.

Nikitina, E.T.
IMPORTANCE DE LA LUZERNE POUR L'ASSAINISSEMENT DU SOL DE L'AGENT DE LA FUSARIOSE DE LA POMME DE TERRE. Org.40.
Order from CNRS G/R-2657

Trans. in French of Akademiya Nauk Kazakhskoi SSR, Alma Ata. Institut Mikrobiologii i Virusologii. Trudy, 1959, no. 3, p. 45-60.

Pachlewski, Roman.
MYCOTROPHY OF THE SEEDLINGS OF THE POLISH AND SUDETEN LARCH IN NATURAL AND ARTIFICIAL CONDITIONS OF DEVELOPMENT (Badania Mykotrofizmu Siewek Modrzewia Polskiego i Sudeckiego w Naturalnych i Sztucznych Warunkach Rozwoju)
A. Radziwill, tr. 1964, 33p 31refs PL-480 Agr.
Order from OTS HC $0.50 TT-61-11332

Trans. of [Polskie Towarzystwo Botaniczne]. Acta Societatis Botanicorum Poloniae, 1953, v. 22, no. 1, p. 133-168.

Petinov, N.S.
BASE PHYSIOLOGIQUE POUR UNE BONNE EFFICACITE D'UNE IRRIGATION INTERMITTENTE DANS LES PLANTATIONS DE THEIER. Org.40.
Order from CNRS G/R-2662

Trans. in French of Akademiya Nauk SSSR. Izvestiya. Seriya Biologicheskaya, 1961, v.26, no.5, p.717-728.

Petinov, N.S. and Molotkovskii, Yu.G.
INFLUENCE DES INHIBITEURS DE LA RESPIRATION SUR LA RESISTANCE DES PLANTES A LA CHALEUR. Org.40.
Order from CNRS G/R-2663

Trans. in French of #Fiziologiya Rastenii (USSR) 1960, v.7, no.6, p.665-672.

Privalov, G.F.
MUTATIONS EXPERIMENTALES DES ORGANES VEGETATIFS DES PLANTES LIGNEUSES. Org.40.
Order from CNRS G/R-2664

Trans. in French of Akademiya Nauk SSSR. Doklady, 1963, v.150, no.3, p.661-664.

Rakitin, Yu. V. and Shmeleva, Yu. D.
EXTERMINATION OF SUBMERGED AQUATIC VEGETATION BY HERBICIDES. 7p 6refs.
Order from SLA $1.10 TT-65-10030

Trans. of Fiziol[ogiya] Rastenii (USSR) [1955] v. 2, no. 5 [p. 505-508].

Rubin, B.A. and Sal'kova, E.G.
QUELQUES PARTICULARITES DE L'ACTION DE LA DESHYDRASE DANS LES TISSUS DE LA POMME [(SOME DISTINCTIVE FEATURES OF THE ACTION OF DEHYDRASES IN APPLE TISSUES) (Nekotorye Osobennosti Deistviya Degidraz v Tkaniyakh Yablok)]. Org. 40.
Order from CNRS G/R-2676

Trans. in French of Biokhimiya Plodov i Ovoshchei (USSR) 1958, v. 4, p. 5-23.

Another trans is available from LC or SLA mi$2.70, ph$4.80 as TT-60-19875, RTS-1318, Jun 60 [25p].

Shumkova, M. N.
BREEDING PROSO (Itogi Raboty po Selektsii Prosa). 11 Dec 63, 16p Trans. A-1414.
Order from OTS or ETC HC $1.00, MF $0.50 TT-64-15708

Trans. of Tatarskaya Respublikanskaya Gosudarstvennaya Sel'skokhozyaistvennaya Opytnaya Stantsiya. Trudy (USSR) 1961, v. 1, p. 105-120.

Sokolova, V.E.
ADAPTATION THERMIQUE ET PARTICULARITES DU METABOLISME DU CARBONE DE BETTERAVE SUCRIERE. Org.40.
Order from CNRS G/R-2670

Trans. in French of Biokhimiya Plodov i Ovoshchei (USSR) 1951, v. 2, p. 67-83.

Truszkowska, Wanda.
MYCOTROPHY OF ALNETA IN BIALOWIEZA NATIONAL PARK AND IN DOMASZYN NEAR WROCLAW (Mykotrofizm Olesow Bialowieskiego Parku Narodowego i Domaszyna pod Wroclawiem)
A. Radziwill, tr. 1964 [18p] 13refs PL-480 Agr.
Order from OTD HC $0.50 TT-61-11334

Trans. of [Polskie Towarzystwo Botaniczne]. Acta Societatis Botanicorum Poloniae, 1953, v. 22, no. 4, p. 737-752.

Unchiev, N. D.
DYNAMIQUE DE LA CROISSANCE ET MODIFICATION DE LA COMPOSITION CHIMIQUE DANS LES DIVERSES PARTIES DU FRUIT DU NOYER DANS L'AUTOGENESE. Org.40.
Order from CNRS G/R-2668

Trans. in French of Biokhimiya Plodov i Ovoshchei
(USSR) 1959, v. 5, p. 259-276.

Verona, O.
INFORMATION ON THE ANTICRYPTOGAMIC
ACTION OF CALCIUM CYANAMIDE. 21p
Order from ATS $22.50 ATS-55Q731

Trans. of [l']Agr[icoltura] Ital[iana] 1960, N. S.,
v. 15, no. 9, p. 287-313.

ASTRONOMY

TIME SERVICE IN THE USSR. Special rept. 5 Aug 64
[26p] 27refs ATD Rept. P-64-48; N64-30010.
Order from OTS HC $2.00, MF $0.50 AD-603 696

Astrophysics

TRACKING OF MISSILES AND SPACE VEHICLES:
COMPILATION OF ABSTRACTS. Rept. no. 22.
13 Nov 64 [52p] 55refs ATD Rept. P-64-62.
Order from OTS HC $3.00, MF $0.50 AD-608 886

Contents:
Ion clouds and ionosphere perturbations
Reflection of EM waves from the moon, sun, planets, or artificial satellites
Radio astronomy (radio emission, antennas, and quantum molecular oscillators).

Breido, I. I. and Shchegolev, D. E.
MAP-SCHEME OF THE REVERSE SIDE OF THE
MOON (Karta-Skhema Obratnoi Storony Luny)
G. Synenko, tr. May 61 [16p] 4refs ACIC TC-263.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19733

Trans. of mono. [Novoe o Lune, Leningrad/Pulkova,
1960] chap. 16 (also as [Doklady: Soobshcheniya na
Mezhdunovodnum Simpoziume po Issledovaniyu Luni
(IAU Symposium on the Moon) Pilkova, 1960]).

Kuz'minykh, V. D. and Kozhevnikov, N. I.
PRECISE DETERMINATION OF THE SOURCE FUNCTION OF A FACULA (K Voprosu o Tochnosti Opredeleniya Funktsii Istochnika Fakela). Sep 64, 8p 8refs
NASA Technical Trans. F-235.
Order from OTS HC $0.50, MF $0.50 N64-29512

Trans. of Moscow Univ. Vestnik. Seriya 3: Fizika,
Astronomiya (USSR) 1964 [v. 19] no. 2, p. 52-55.

Moiseev, I. G.
THE DIMENSIONS OF THE AGENCY RESPONSIBLE
FOR TYPE II RA RADIO BURSTS (O Razmerakh
Agents, Vozbushdayushchego Radiovspleski II Tipa)
P. A. Kazakov, tr. [18p] (foreign text included) 11refs
[CSIRO Trans]-6941
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19897

Trans. of [Akademiya Nauk SSSR]. Krymskaya Astro-Fizicheskaya Observatoriya. Izvestiya, 1963, v. 30,
p. 141-147.

Legibility of this document is in part unsatisfactory.
Reproduction has been made from best available copy.

Safronov, V. S. and Ruskol, E. L.
HISTORY OF THE LUNAR ATMOSPHERE AND THE
POSSIBILITY OF ICE AND ORGANIC COMPOUNDS
EXISTING ON THE MOON (Istoriya Lunnoi Atmosfery i
Vozmozhnost' Prisutstviya na Lune L'da i Organicheskikh
Soedinenii), Sep 64, 14p 13refs NASA Technical
Trans. F-232.
Order from OTS HC $0.50, MF $0.50 N64-29497

Trans. of Voprosy Kosmogonii (USSR) 1963, v. 9,
p. 203-213.

BEHAVIORAL SCIENCES

Davydova, A. N.
EXPERIMENTAL PSYCHOLOGICAL INVESTIGATION
OF MANIFESTATIONS OF THE WILL OF YOUNG
CHILDREN. [18p].
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19553

Trans. of Psikhologiya i Pedagogika [sic] 1956, v. 214,
no. 9, p. 29-44.
Another trans. is available from OTS or SLA $36.50
in TT-61-28383, 1 Dec 59 [1060p].

Human Engineering

ACTA MEDICA IUGOSLAVICA, 1963, VOL. 17, NO. 3
I. Stojanovic, tr. 1964, 94p PL-480 HEW.
Order from OTS HC $3.00 TT-63-11456/3

Trans. of Acta Medica Iugoslavica, 1963, v. 17, no. 3,
p. 229-351.

For table of contents see the "Periodicals Translated
Cover-to-Cover" section of this issue.

ARCHIVES OF BIOLOGICAL SCIENCES, 1963,
VOL. 15, NO. 1/2. 1964, 104p PL-480 HEW.
Order from OTS HC $1.00 TT-63-11455/1-2

Trans. of Arhiv Bioloskih Nauka (Yugoslavia) 1963,
v. 15, no. 1/2, p. 1-99, 1P-4P.

For table of contents see the "Periodicals Translated
Cover-to-Cover" section of this issue.

MEDICAL JOURNAL, 1963, VOL. 85, NO. 10. 1964,
86p PL-480 HEW.
Order from OTS HC $0.75 TT-63-11458/10

Trans. of Lijecnicki Vjesnik (Yugoslavia) 1963, v. 85,
no. 10, p. 1077-1164.

For table of contents see the "Periodicals Translated
Cover-to-Cover" section of this issue.

POLISH MEDICAL JOURNAL, 1964, VOL. 3, NO. 3,
P. 491-724. 1964, 1v. PL-480 HEW.
Order from OTS HC $2.25 TT-64-11409/3

A Polish journal published in English consisting of articles translated from various Polish journals.

For table of contents see the "Periodicals Translated Cover-to-Cover" section of this issue.

Beier, T. V.
CYTOCHEMICAL INVESTIGATION OF THIOLS AT VARIOUS DEVELOPMENTAL STAGES OF EIMERIA INTESTINALIS (Tsitokhimicheskoe Issledovanie Tiolovykh Soedinenii na Raznykh Stadiyakh Razvitiya Eimeria Intestinalis). Aug 64 [22p] 20refs RTS-2609.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-23514

Trans. of #Tsitologiya (USSR) 1963, v. 5, no. 1, p. 61-68.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy

Borisov, V. and Gorlov, O.
LIFE AND SPACE. 31 Aug 64 [286p]
FTD-MT-63-200.
Order from OTS HC $6.00, MF $1.50 AD-608 650

Edited machine trans. of mono. Zhizn' i Kosmos, Moscow, 1963, 200p.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Hollmann, W.
WORK REPORT ON THE ACTIVITIES OF THE INSTITUTE FOR CIRCULATORY RESEARCH AND SPORTS MEDICINE. 26p. 76 refs.
Order from ETC $2.60 TT-64-26248

Trans. of mono. Arbeitsbericht über die Tätigkeit des Instituts für Kreislaufforschung und Sportmedizin, Köln, 1963.

Savinov, G.V., Krushinskii, L.V. and others.
EXPERIENCE D'UTILISATION DE LA SIMULATION MATHEMATIQUE POUR L'ETUDE DU RAPPORT RECIPROQUE ENTRE LES PROCESSUS D'EXCITATION ET D'INHIBITION. Org. 36-6475 lal.
Order from CNRS G/R-2643

Trans. in French of mono. Biologicheskie Aspekty Kibernetiki [:Sbornik Rabot (Biological Aspects of Cybernetics)] Moscow, 1962, p. 92-102.
A complete trans. is available in English from OTS $5.00 as TT-63-31024, JPRS-19637, 1 Jun 63, 348p.

BIOLOGICAL SCIENCES

Anatomy and Physiology

PHYSIOLOGICAL RESEARCH IN THE USSR.
17 Sep 64, 59p 73refs JPRS: 26444.
Order from OTS HC $3.00, MF $0.75 TT-64-41702

Trans. of Fiziologichnyi Zhurnal (USSR) 1964, v. 10, no. 3, p. 301-306, 308-312, 360-365, 379-382, 390-396, 403-411, 416-418.

For table of contents see the "Periodicals Translated Cover-to-Cover" section of this issue.

Aleksandrovskaya, M. M.
MORPHOLOGICAL CHANGES IN ANIMAL BRAIN AFTER LOCAL INJECTION OF STRYCHNINE. [23p] 12refs
FASEB Ms No.: S 299-4.
Order from OTS or ETC HC $1.00, MF $0.50
figs available on loan from OTS TT-65-60236

Trans. of #Zhurnal Vysshei Nervnoi Deyatel'nosti (USSR) 1963, v. 13, no. 5, p. 939-945.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Aron, Max and Benoit, Jacques.
ANTAGONISTIC ACTION OF THE ANTERIOR PITUITARY THYRO-STIMULIN AND OVARIAN FOLLICULIN. 3p 8refs.
Order from SLA $1.10 TT-64-30802

Trans. of Soc[iete de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Seances] (France) 1932, v. 109, p. 923-925.

Boquet, Paul.
ACTION OF VITAMIN K AND ANTIHISTAMINE SUBSTANCES ON THE PHENOMENON OF SANARELLI-SHWARTZMAN. 2p 5refs.
Order from SLA $1.10 TT-64-30772

Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1943, v. 137, p. 347-348.

Bru, A., Planel, H., and David, J. F.
THE THYROID ACTIVITY OF AN ANTIESTROGEN: P-ACETOXYPHENYLISOBUTENE. 5p 3refs.
Order from SLA $1.10 TT-64-30733

Trans. of Soc[iété de Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1956, v. 150 [no. 4] p. 790-792.

Chauchard, B., and Chauchard, P.
CHRONAXIMETRIC CONTRIBUTION TO THE STUDY OF ANTIDROMIC VASODILATATION. 3p 5refs.
Order from SLA $1.10 TT-64-30774

Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1943, v. 137, p. 329-330.

Coste, F., Delbarre, F., and Lacronique, F.
ACTION OF BIS-PARA-AMINOPHENYL-METHYL-PROPANONE ON ENDOCRINES. I. ACTION ON THE WEIGHT AND STRUCTURE OF THE ENDOCRINE GLANDS OF THE RAT. 4p (1fig omitted) 3refs.
Order from SLA $1.10 TT-64-30745

Trans. of Soc[iete de] Biol[ogie et de ses Filiales].
C[omptes] R[endus des Seances] (France) 1956,
v. 150, no. 5, p. 959-963.
Another trans. is available from SLA as 57-687 [5p]

Cuny, L., Gayet-Hallion, Th., and Quivy, D.
REMARKS ON THE VASCULAR ACTION OF FLUORESCEIN. 2p 1ref.
Order from SLA $1.10 TT-64-30767

Trans. of Soc[iété de] Biol[ogie et de ses Filiales].
C[omptes] R[endus des Séances] (France) 1943,
v. 137, p. 638-639.

Debré, R. and Busson, A.
CONTENT OF THE FACTOR A IN THE LIVER IN HUMANS ACCORDING TO AGE (Teneur du Foie en Facteur A Suivant l' Age dans l' Espece Humaine).
5p 1ref.
Order from SLA $1.10 TT-64-30800

Trans. of Soc[iété de] Biol[ogie et de ses Filiales].
C[omptes] R[endus des Séances] (France) 1933,
v. 114, p. 1164-1166.

Debre, Robert and Busson, André.
ON THE DISTRIBUTION OF THE A FACTOR IN THE HUMAN BODY (Sur la Repartition du Facteur à A dans l' Organisme Humain). 4p 2refs.
Order from SLA $1.10 TT-64-30801

Trans. of Soc[iété de] Biol[ogie et de ses Filiales].
C[omptes] R[endus des Seances] (France) 1933, v. 114,
p. 1162-1164.

Elmer, A.-W., Giedosz, B., and Scheps, M.
ACTION OF TESTOSTERONE AND OESTRONE IN EXPERIMENTAL HYPERTHYROIDISM. 2p.
Order from SLA $1.10 TT-64-30785

Trans. of Soc[iété de] Biol[ogie et de ses Filiales].
C[omptes] R[endus des Séances] (France) 1938, v. 129,
p. 1224-1225.

Gershuni, G. V.
EVOKED POTENTIALS AND MECHANISMS FOR DISCRIMINATION OF EXTERNAL SIGNALS .
[22p] 16refs FASEB Ms No.: S 296-4.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60142

Trans. of #Zhurnal Vysshei Nervnoi Deyatel'nosti
(USSR) 1963, v. 13, no. 5, p. 882-891.

Legibility of this document is in part unsatisfactory.
Reproduction has been made from best available copy.

Grasset, J. and Gauthier, R.
COMBINED POTENTIATING AND ANTISPASMODIC TREATMENT IN OBSTETRICS. 12p.
Order from SLA $1.60 TT-64-18949

Trans. of Féd[ération des] Soc[iétés de] Gynec[ologie et d'[Obste[trique de Langue Francaise]. Bull[etin]
1952, v. 4 [no. 3] p. 568-577.

Hazard, Rene and Vaille, Charles.
THE ACTION OF ADRENALIN ON THE ISOLATED RAT INTESTINE IN THE PRESENCE OF PIPERIDOMETHYL-3-BENZODIOZANE (933 F.) 2p 3refs.
Order from SLA $1.10 TT-64-30765

Trans. of Soc[iete de] Biol[ogie et de ses Filiales].
C[omptes] R[endus] des Seances] (France) 1943, v. 137.
716-717

Gros, G.
A NON-SPECIFIC EFFECT OF PROGESTERONE ON THE IMMATURE FEMALE RAT. 2p.
Order from SLA $1.10 TT-64-30780

Trans. of Soc[iété de] Biol[ogie et de ses Filiales].
C[omptes] R[endus des Séances] (France) 1942, v. 136,
p. 752-753.

Hirtz, G., Cartron, J., and Pelluchon, P.
EFFECT OF p-HYDROXYPROPIOPHENONE ON GLYCEMIA AND PHOSPHOREMIA IN THE MALE AND FEMALE RAT. 6p 3refs.
Available on loan from SLA TT-64-30750

Trans. of Soc[iete de] Biol[ogie et de ses Filiales].
C[omptes] R[endus des Seances] (France) 1953,
v. 147, no. 19/20, p. 1610-1616.

Kometiani, Z. P.
ROLE OF FREE RADICALS IN ACTIVE TRANSPORT OF SODIUM IONS IN FROG SKIN. [9p] 11refs
FASEB Ms No.: S 304-4.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60185

Trans. of #Biofizika (USSR) 1963, v. 8, no. 1,
p. 40-44.

Lewis, J.-T. and Reti, L.
HYPERVITAMINOSIS A AND THE SAFETY OF LARGE DOSES OF PROVITAMIN A (CRYSTALLIVE CAROTENE) (Sur l'Hypervitaminose A et l'Innocuite des Fortes Doses de Provitamine A (Carotene Cristallise). 3p
9refs
Order from SLA $1.10 TT-64-30798

Trans. of Soc[iete de] Biol[ogie et de ses Filiales].
C[omptes] R[endus des Seances] (France) 1935,
v. 118, p. 577-580.

Raymond-Hamet.
PERIPHEROL VASODILATOR ACTION OF CINCHONIDINE. 2p (1 fig 2 refs omitted).
Order from SLA $1.10 TT-64-30730

Trans. of Soc[iété de] Biol[ogie et de ses Filiales].
C[omptes] R[endus des Séances] (France) 1943, v. 137,
p. 134-135.

Loskutova, E. A.
EFFECTS OF CASTRATION AND TESTOSTERONE PROPIONATE ON THYROID FUNCTION OF MALE RATS OF VARIOUS AGES (Vliyanie Kastratsii i Testosteron-Propionata na Funktsiyu Shchitovidnoi Zhelezy Krys-Samtsov Razlichnogo Vozrasta). [24p] (foreign text included) 11refs FASEB Ms No.: S 433-4.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60209

Trans. of #Fiziologicheskii Zhurnal SSSR, 1964, v. 50, no. 2, p. 211-216.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Merlen, J. F., Dubrulle, P., and Grandjean, L.
ACTION OF NITRIC ESTERS ON CAPILLARY FRAGILITY. 2p.
Order from SLA $1.10 TT-64-30725

Abstract trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1948, v. 142 [no. 5/6] p. 330-332.

Meunier, J. M. and Roualt, J.
ACTION OF HORMONAL VARIATIONS ON THE EXPERIMENTALLY DEVELOPED MAMMARY GLAND. 5p 18refs.
Order from SLA $1.10 TT-64-30744

Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1956, v. 150, no. 8/9, p. 1541-1544.

Minz, B., and Veil, C.
RIGIDITY OF DECEREBRATION AND SYMPATHOLYTICS. 3p 3refs.
Order from SLA $1.10 TT-64-30756

Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1947, v. 141 no. 11/12, p. 573-574.

Molina, C. and Lanzel, J. P.
ACTION OF P-HYDROXYPROPIOPHENONE ON THE MANIFESTATIONS OF THE PITUITARY-SEXUAL CYCLE IN THE FEMALE RAT AND RABBIT. 3p (7 refs omitted).
Order from SLA $1.10 TT-64-30740

Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1951, v. 145 [no. 15/16 p. 1151-[1154].

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Quevauviller, A., and Blanpin, O.
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Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1943, v. 137, p. 111.

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Trans. of Soc[iete de] Biol[ogie et de ses Filiales]. C[omptes] R[endus] des Seances] (France) 1936, v. 122, p. 150-152.

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Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1944, v. 138, no. 1/2, p. 58-59.

Biochemistry

ADVANCES IN BIOLOGICAL CHEMISTRY, 1962, VOL. 4. 4 Aug 64 [499p] 1716refs FTD-TT-63-1083.
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Unedited rough draft trans. of Uspekhi Biologicheskoi Khimii (USSR) 1962, v. 4, p. 3-261.

For table of contents see the "Periodicals Translated Cover-to-Cover" section of this issue.

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Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1949, v. 143 [no. 13/14] p. 1032-1033.

Baraboi, V. A. and Medovar, B. Ya.
ANTI-RADIATION AND ANTI-OXIDATION PROPERTIES OF CERTAIN POLYPHENOLS. [13p] 17refs FASEB Ms No.: S 233-4.
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Trans. of Experientia (Switzerland) 1956, v. 12, p. 365-368.

Birshtein, T. M.
A THEORY OF HELIX-COIL TRANSITIONS IN BIOPOLYMERS. 1. THE HELIX-COIL TRANSITIONS IN POLYPEPTIDE CHAINS UNDER LOAD (Teoriya Perekhodov Spiral' -Klubok v Biopolimerakh. 1. Perekhody Spiral' -Klubok v Polipeptidnykh Tsepyakh pod Nagruzkoi)
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1962, v. 4, no. 4, p. 605-612.

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Trans. of Soc[iété de] Biol[ogie et de ses Filiales].
C[omptes] R[endus des Séances] (France) 1947, v. 141, no. 3/4, p. 159-161.

Debre, R. and Busson, A.
VITAMIN A CONTENT OF MILK AND OF SOME MILK DERIVATIVES (Teneur en Vitamine A des Differents Laits ou de Certains Derives du Lait). 4p 1ref.
Order from SLA $1.10 TT-64-30799

Trans. of Soc[iété de] Biol[ogie et de ses Filiales].
C[omptes] R[endus des Séances] (France) 1933, v. 114, p. 1297-1299.

Dumazert, C., Picard, D., and Ouachi, A.
STARCH TRINICOTINATE. 3p 3refs.
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Trans. of Soc[iété de] Biol[ogie et de ses Filiales].
C[omptes] R[endus des Séances] (France) 1952, v. 146, no. 5/6, p. 470-471.

Fedorcsak, I. and Turtoczky, I.
DETERMINATION MANOMETRIQUE DU GROUPEMENT D'AMINOACIDES LIBRES DANS UNE MATIERE BIOLOGIQUE. 9p. CNRS-XXVII 184.
Order from ETC or CNRS $1.10 TT-63-26619

Trans. in French of Biologiai Közlemények (Hungary)
1960, v.8, no.2, p.173-178.

Fetisova, T. V., Khomitska, L. F., and Tsiomyk, V. O.
EFFECT OF ISCHEMIA ON THE INDICES OF ENERGY AND PROTEIN METABOLISM OF THE MYOCARDIUM. 13p 6refs FASEB Ms No.: S 369-4.
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Trans. of Ukrayins'kyi Biokhimichnyi Zhurnal (USSR)
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THE INFLUENCE OF EXTERNAL FACTORS ON THE ACTIVITY OF LIVER ARGINASE (Beeinflussung der Leberarginasewirkung durch Aussere Faktoren). [1964] [33p] 66refs
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Trans. of Journal of Biochemistry (Japan) 1926, v. 6, p. 335-366.

Kotova, M. V.
THE EFFECT OF ANTIBIOTICS ON THE DIGESTIBILITY OF NUTRIENTS IN RATIONS (Vliyanie Antibiotikov na Perevarimost' Pitatel'nykh Veshchestv Ratsiona). [9p] (foreign text included) FASEB Ms No.: S 360-4.
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Trans. of Krolikovodstvo i Zverovodstvo (USSR) 1963, v. 6, no. 5, p. 18-19.

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INFLUENCE DE LA TEMPERATURE SUR LE DEVELOPPEMENT EMBRYONNAIRE DE CONTARINIA MEDICAGINIS K. Org.40.
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Trans. in French of Biologia (Czechoslovakia) 1962, v.17, no.1, p.26-34.

Lacassagne, A., Chamarro, A., and Bun-Hoi, N. P.
SOME BIOLOGICAL EFFECTS OF 4-HYDROXYPROPIOPHENONE. 3p 4refs.
Order from SLA $1.10 TT-64-30753

Trans. of Soc[iété de] Bio[logie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1950, v. 144, no. 1/2, p. 95-96.

Lacassagne, A., Chamorro, A., Buu-Hoi, N. G., Dat-Xuong, N.
THE ESTROGENIC ACTIVITY OF p-HYDROXYPROPIOPHENONE. 4p 4refs.
Order from SLA $1.10 TT-64-30749

Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1954, v. 148, p. 419-422.

Lorenzini, Giovanni.
PROCESS OF OBTAINING AQUEOUS SOLUTIONS OF HIGH VITAMIN POTENCY (Come si Possono Ottenere Soluzioni Acquose ad alto Titolo di Vitamine Liposolubili). [1964] [19p] 33refs.
Order from SLA $1.60 TT-64-16339

Trans. of Ist[ituto] Biochim[ico] Ital[iano, Milan]. Arch[ivio] 1937, v. 9, p. 3-18.

Maksimovich, Ya. B. and Gaidenko, A. I.
CHANGES IN THE METABOLISM OF VITAMINS PP AND C AND IN THEIR DISTRIBUTION BETWEEN THE ORGANS UNDER THE EFFECT OF COBALT (Izmeneniya v Obmene i Mezhorgannom Raspredelenii Vitaminov PP i C pod Vliyaniem Kobal'ta). [21p] (foreign text included) 19refs FASEB Ms No.: S 171-4.
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Trans. of Voprosy Pitaniya (USSR) 1963, v. 22, no. 5, p. 50-55.

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Trans. of Krolikovodstvo i Zverovodstvo (USSR) 1963, v. 6, no. 9, p. 18-22.

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NUTRITION AND PUBLIC HEALTH: SUMMARIES OF [SELECTED] PAPERS [PRESENTED AT THE] SCIENTIFIC SESSION (NO. 13) 3-7 FEB 59. Apr 61 [59p] RTS-1616.
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Trans. of mono. Pitanie i Zdorovye Naseleniya, XIII Nauchnaya Sessiya (Tezisy Dokladov) 3-7 Feb 59.

Morandini, G., Accardo, A., and Pala, A. M.
POTENTIATION BY CORTISONE OF THE ACTION OF ANGIOTENSIN. PRELIMINARY RESULTS (Sul Potenziamento Cortisonico dell' Azione dell' Ipertensina. Risultati Preliminari). 6p 17refs.
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Trans. of Studi Sassaressi (Italy) 1962, v. 40 [no. 1/2] p. 68-73.

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Trans. of Voprosy Meditsinskoi Khimii (USSR) 1963, v. 9, no. 6, p. 643-646.

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Trans. of Ukrayins'kyi Biokhimichnyi Zhurnal (USSR) 1964, v. 36, no. 1, p. 46-51.

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THE EFFECT OF AGE ON THE ACEYLATION COENZYME CONTENT OF ALBINO RATE TISSUES (Vplyv Viku na Vmist Kofermentu Atsetyluvannya v Tkanynakh Bilykh Shchuriv). [9p] 19refs
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Trans. of Ukrayins'kyi Biokhimichnyi Zhurnal (USSR) 1963, v. 35, no. 6, p. 881-887.

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Trans. of Ukrayins'kyi Biokhimichnyi Zhurnal (USSR) 1963, v. 35, no. 6, p. 841-851.

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VITAMIN P, PHYSIOLOGICAL RESEARCH. 3p 5refs
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Trans. of Soc[iété de] (Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1943, v. 137, p. 171-172.

Pokrovskii, A. A.
BIOCHEMICAL PRINCIPLES FOR THE DEVELOPMENT OF PRODUCTS ON INCREASED BIOLOGICAL VALUE. [41p] 80refs FASEB Ms No.: S 315-4.
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Trans. of Voprosy Pitaniya (USSR) 1964, v. 23, no. 1, p. 3-17.

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Poprovskii, A. A., Korobkina, G. S., Nemenova, Yu. M., Glushneva, Z. Ya., and Lukasik, I. S.
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Trans. of Voprosy Pitaniya (USSR) 1964, v. 23, no. 2, p. 21-30.
Another trans. is available from OTS $1.00 in TT-64-31694, JPRS-25421, 10 Jul 64, 34p.

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Ravich, G. B., Volnova, V. A., and Kugmina, T. N.
POLYMORPHISM OF UNSATURATED C_{18} FATTY ACIDS.
Gail Bremenstul, tr. [25p] 28refs.
Order from OTS or ETC HC $1.00, MF $0.50
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Trans. of Akademiya Nauk SSSR. Sektor Fiziko-Khimicheskogo Analiza. Izvestiya, 1947, v. 15, p. 47-57.

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THE VITAMIN A OF LIVER OILS. 4p 9refs
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Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Seances] (France) 1935, v. 120, p. 577-580.

Saito, K.
STUDIES ON BLOOD CATALASE. II. MICRO-ASSAY METHOD FOR BLOOD CATALASE. 3p. EMF-VD 1354 E.
Order from ETC $1.10 $1.10 TT-63-26693

Trans. of Igaku to Seibutsugaku (Japan) 1949, v. 14 [no. 1] p. 26-[28].

DESCRIPTORS: Blood, *Catalase, Microanalysis, Hydrogen peroxide, Experimental data.

Serenkov, G.P. and Proiser, E.
LE RAPPORT ENTRE CERTAINES AMINES ET LA SYNTHESE DE LA CAFEINE DANS LES FEUILLES DE THE. Org.80-4359.
Order from CNRS G/R-2736

Trans. in French of Akademiya Nauk SSSR. Doklady, 1961, v.137, no.2, p.445-447.

Smaly, V.T. and Bershova, O.I.
FORMATION D'HETERO-AUXINES DANS LES CULTURES D'AZOTOBACTER. Org.40.
Order from CNRS G/R-2671

Trans. in French of #Mikrobiologiya (USSR) 1957, v.26, no.5, p.526-532.

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EFFECT OF DRUG-INDUCED EXCITATION AND INHIBITION OF THE CENTRAL NERVOUS SYSTEM ON TRACE ELEMENT METABOLISM IN THE KIDNEYS. [11p] 10refs FASEB Ms No.: S 181-4.
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Trans. of Ukrayins'kyi Biokhimichnyi Zhurnal (USSR) 1963, v. 35, no. 4, p. 528-534.

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ON THE ACTION OF A PREPARATION OF VITAMIN P FROM TEA LEAVES ON TISSUE RESPIRATION (O Deistvii Preparata Vitamina P iz List'ev Chaya na Dykhanie Tkanei). Jul 64 [6p] 7refs RTS-2495.
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Trans. of Biokhimiya Chainogo Proizvodstva (USSR) 1962, v. 9, p. 201-203.

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Trans. of Voprosy Meditsinskoi Khimii (USSR) 1963, v. 9, no. 6, p. 614-621.

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EFFECT OF VITAMIN P ON ASCORBIC ACID METABOLISM IN ANIMALS ON BRIEF EXPOSURE TO A HIGH ENVIRONMENTAL TEMPERATURE (Vliyanie Vitamina P na Obmen Askorbinovoi Kisloty v Zhivotnom Organizme pri Kratkovremennom Vozdeistvii Vysakoi Temperatury Okruzhayushchei Sredy). [14p] (foreign text included) 15refs FASEB Ms No.: S 269-4.
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Vas'ko, O. P.
THE INFLUENCE OF PROLONGED ADMINISTRATION OF TUBAZID ON THE METABOLISM OF PANTOTHENIC ACID IN EXPERIMENTAL TUBERCULOSIS. [16p] 15refs. FASEB Ms No.: S 565-4.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60192

Trans. of Voprosy Meditsinskoi Khimii (USSR) 1964, v. 10, no. 2, p. 197-201.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Vial, J. and Savet, H.
PRESENCE OF HYPERTENSIVE SUBSTANCES IN HEPATIC EXTRACTS. 3p.
Order from SLA $1.10 TT-64-30728

Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1943, v. 137, p. 500-501.

Volgarev, M. N.
CHANGES IN LIVER DUE TO DIETARY INADEQUACY OF CHOLINE AND PROTEIN AND THE NUTRITIONAL FACTORS PROMOTING RECOVERY. [21p] 12refs FASEB Ms No.: S 427-4.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60224

Trans. of Voprosy Pitaniya (USSR) 1964, v. 23, no. 2, p. 35-40.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Wieckowski, S.
ÜBER DIE PRODUKTION DER EIERPARASITE AUS DEM GESCHLECHT DER TRICHOGRAMMA FÜR DIE BIOLOGISCHE BEKÄMPFUNG DER SCHÄDLINGE IN OBSTGÄRTEN (O Produkcji Pasorzytow jaj z Rodzaju Kruszynek (Trichogramma) do Biologicznego Zwalczania Szkodnikow Sadu) tr. by K. Sztevn. 6p.
Order from ETC $1.10 TT-63-27836

Trans. in German of Ochrona Roslin (Poland) 1962, v.6, p.9-12.

Zhdanov, Yu.A.
CHIMIE BIO-ORGANIQUE. Org.140-945-763.
Order from CNRS G/R-2750

Trans. in French of Priroda (USSR) 1962 [v.51] no.10, p.47-51.

Botany

Avakyan A.G.
FIXATION PAR PROJECTION SUR PAPIER DE LA FORME DES FRUITS, DES FEUILLES ET DES AUTRES ORGANES DES PLANTES. Org.40.
Order from CNRS G/R-2648

Trans. in French of #Fiziologiya Rastenii (USSR) 1959, v.6, no.2, p.221-223.

Bünning, E.
THE COURSE OF ENDOGENOUS DIURNAL RHYTHM IN PHOTOPERIODIC LIGHTBREAK EXPERIMENTS WITH THE SOYBEAN. [16p] 6refs.
Order from SLA $1.60 TT-64-30283

Trans. of Physiologia Plantarum (Denmark) 1954, v. 7 [no. 3] p. 538-547.

Chailakhyan, M.Kh. and Butenko, R.G.
INFLUENCE DE L'ADENINE ET DE LA KINETINE SUR LA DIFFERENCIATION DES BOURGEONS FLORAUX DE PERILLA NANKINENSIS. Org.40.
Order from CNRS G/R-2649

Trans. in French of Akademiya Nauk SSSR. Doklady, 1959, v.129, no.1, p.224-228.

Genkel', P.A. and Tsvetkova, I.V.
AMELIORATION DE LA RESISTANCE DES PLANTES A LA CHALEUR. Org.40.
Order from CNRS G/R-2654

Trans. in French of Akademiya Nauk SSSR. Doklady, 1955, v.102, no.2, p.383-387.

Huber, Bruno and Schmidt, Eberhard.
FURTHER THERMOELECTRIC INVESTIGATIONS OF THE TRANSPIRATION STREAM OF TREES (Weitere Thermoelektrische Untersuchungen über den Transpirationsstrom der Bäume). [38]p 27refs
Order from SLA $3.60 TT-64-16014

Trans. of Tharandter Forstliches Jahrbuch (Germany) 1936, v. 87, p. 369-412.

Kaniuga, Zbigniew.
ROLE OF UREA IN GLUTAMINE BIOSYNTHESIS IN RYE GRASS LEAVES (Udzial Mocznika w Biosyntezie Glutaminy w Lisciach Rajgrasu) Maria Radziwill, tr. Maria Radziwill, tr. 1964 [22p] 11refs PL-480 Agr.
Order from OTS HC $0.50 TT-61-11324

Trans. of [Polskie Towarzystwo Botaniczne]. Acta Societatis Botanicorum Poloniae, 1958, v. 27, no. 4, p. 523-540.

Kapralova, N.P.
JUTES NATIONAUX (Otechestvennye Sorta Dzhuta). 12p. (foreign text included). CNRS-II 40.
Order from ETC or CNRS $1.60 TT-62-28988

Trans. in French of Selektsiya i Semenovodstvo (USSR) 1950, no. 6, p. 42-45.

Mikhailov, M.A.
CROISEMENT DU COTONNIER S'EFFECTUANT A L'INTERIEUR D'UN SEUL TYPE (Vnutrisortovoe Skreshchivanie Khlopchatika). 10p. (foreign text included). CNRS-II 41.
Order from ETC or CNRS $1.10 TT-62-28983

Trans. in French of Selektsiya i Semenovodstvo (USSR) 1950, no. 7, p. 42-44.

Ostapenko, V.I.
PARTICULARITES PHYSIOLOGIQUES ET BIOCHIMIQUES DU POLLEN ET DU PISTIL CHEZ QUELQUES PLANTES FRUITIERES DE LA FAMILLE DES ROSACEES. Org.40.
Order from CNRS G/R-2650

Trans. in French of #Fiziologiya Rastenii (USSR) 1960, v.7, no.5, p.537-546.

Poddubnaya-Arnol'di, V. A., Tsinger, N. V., Petrovskaya, T. P., and Polunina, N. N.
HISTOCHEMICAL STUDY OF POLLEN AND POLLEN TUBES OF SOME ANGIOSPERMOUS PLANTS (Gistokhimicheskoi Issledovanie Pyl'tsii i Pyl'tsevykh Trubok Nekotorykh Pokrytosemennykh Rastenii). 1964, 34p 23refs PL-480 Agr.
Order from OTS HC $2.00 TT-64-11080

Trans. of Glavnyi Botanicheskii Sad [Pushkinskoe]. Trudy (USSR) 1961, v. 8, p. 162-195.

Rybin, V. A. and Il'na, A. G.
SPORT REVERSIBLE NON RESISTANT DE POIRE [Reversible (Unstable) Sport in Pears]. Org.40.
Order from CNRS G/R-2677

Trans. in French of Glavnyi Botanischeskii Sad [Pushkinskoe]. Byulleten' (USSR) 1961, v. 40 [p. 57-63].

Skibnevskaya, N.N.
NOUVELLE METHODE DE DETERMINATION DE LA PRECOCITE DES SORTES ET DES ELEVES DE POMMES DE TERRE (Novyi Metod Opredeleniya Skorospel osti Sortov i Seyantsev Kartofelya). 22p. (foreign text included). CNRS-II 69.
Order from ETC or CNRS $2.60 TT-62-28977

Trans. in French of Selektsiya i Semenovodstvo (USSR) 1952, no. 1, p. 55-60.

Medical Specialties and Equipment

EQUIPMENT FOR NEUROPHYSIOLOGICAL INVESTIGATIONS. 9 Sep 64, 43p 8refs JPRS: 26316.
Order from OTS HC $2.00, MF $0.75 TT-64-41575

Trans. of Peredovnoi Nauchno-Tekhnicheskii i Proizvodstvennyi Opyt (USSR) 1962 [tema] 30, no. PM-62-4/4 (no. 4) 28p.

For table of contents see the "Periodicals Translated Cover-to-Cover" section of this issue.

Gurevich, M. D. and Tsuruna, D. I.
THE DIAGNOSTIC USE OF ULTRASOUND. [17p] FASEB Ms No.: S 521-4.
Order from OTS or ETC HC $1.00, MF $0.50 TT-6 -60164

Trans. of #Akademiya Meditsinskikh Nauk SSSR. Vestnik, 1964, v. 19, no. 2, p. 78-81.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Romanov, Yu. D. and Sverdlov, B. D.
INFRA-RED PHOTOGRAPHY FOR DETECTION OF DEEP COLLATERAL VESSELS OF THE ANTERIOR ABDOMINAL WALL IN DISORDERS OF PORTAL CIRCULATION. 7p. 20refs.
Order from TC $7.50 TC-345

Trans. of Terapevticheskii Arkhiv (USSR) 1963, v. 35 [no. 1] p. 30-34.
Another trans. is available from OTS, SLA, or ETC $1.60 as TT-63-24488, FASEB-S-233-3 [12p].

Microbiology

Adrashnikov, S. N., Soifer, V. N., and Gol'dfarb, D. M.
INDUCTION OF h-MUTATIONS IN EXTRACELLULAR PHAGE T2 BY GAMMA RADIATION. [15p] 19refs
FASEB Ms No.: S 389-4.
Order from OTS or ETC HC $1.00, MF $0.50
figs. available on loan from OTS TT-65-60177

Trans. of #Akademiya Meditsinskikh Nauk SSSR. Vestnik, 1963, v. 18, no. 12, p. 43-51.
Another trans. is available from OTS $2.75 in TT-64-31179, JPRS-24398, 29 Apr 64, 132p.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Andreev, E. V. and Konozenko, P. A.
PROBLEM OF ACTIVE IMMUNIZATION OF SWINE AGAINST FOOT-AND-MOUTH DISEASE (K Voprosu Aktivnoi Immunizatsii Svinei Protiv Yashchura).
22 Oct 64 [8p] Trans. V-1966.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19902

Trans. of Veterinariya (USSR) 1964, v. 41, no. 8, p. 37-39.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Aristovskii, V. M.
MEDICAL TECHNIQUE, RATIONALIZATION AND INVENTION: TOWARD A METHOD OF CULTIVATING SP. PALLIDAE FOR MASS OBTAINING OF ANTIGEN MATERIAL.
Z. Knowles, tr. 24 Aug 48, 8p.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60097

Trans. of [Sovetskii Vrachebnyi Zhurnal] (USSR) 1935 [v. 39] no. 7, p. 583-586.

Cherchenko, I.I.
ANTICORPS FLUORESCENTS EN MICRO-BIOLOGIE. Org.140-842-363.
Order from CNRS G/R-2742

Trans. in French of #Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1963, no. 2, p. 93-101.
Another trans. is available in English from OTS or ETC $0.50 as TT-63-31044, JPRS-19693, 14 Jun 63, 17p.

Fiuczek, Miroslaw.
ATMOSPHERIC NITROGEN FIXATION IN PURE CULTURES OF STREPTOMYCES ALNI (Wiazanie Azotu Atmosferycznego w Czystych Kulturach Streptomyces Alni)
A. Szafranski, tr. 1964 [7p] 5refs PL-480 Agr.
Order from OTS HC $0.50 TT-63-11362

Trans. of Acta Microbiologica Polonica, 1959, v. 8, p. 283-287.

Fourneau, E., Trefouel, J., Trefouel, J., Nitti, F., and Bovet, D.
ACTION OF PARA-AMINOPHENYLSULFAMIDE ON MOLDS 5p 2refs.
Order from SLA $1.10 TT-64-30793

Trans. of Soc[iéte de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1936, v. 122, p. 652-654.

Gol'farb, D. M. and Borisova, L. N.
USE OF DIMEZOL-14 FOR PROTECTING ACTINOMYCES AUREOFACIENS MYCELIUM FROM THE ACTION OF ACTINOPHAGE TYPE I. [9p] 7refs
FASEB Ms No.: S 256-4.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60174

Trans. of #Antibiotiki (USSR) 1963, v. 8, no. 12, p. 1071-1074.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Gryaznov, I. S.
BACTERIOLOGICAL WARFARE.
H. Norris, tr. 3 Nov 41, 12p 26refs.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-23638

Trans. of Kazan[skii] Med[itsinskii] Zh[urnal] (USSR) 1941 [v. 37] no. 1, p. 80-83.

Legibility of this document is in part unsatisfactory. Reproduction has been made from the best available copy.

Ivanova, V. I.
TASKS DIRECTED TO ERADICATION OF BRUCELLOSIS IN ANIMALS (Zadachi po Iskoreneniyu Brutselleza Zhivotnykh). 9 Sep 64, 8p Trans. V-1948.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19840

Trans. of Veterinariya (USSR) 1964, v. 41, no. 5, p. 43-46.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Kossovitch, N., and Browaeys, J.
CONTRIBUTION TO THE STUDY OF THE ANTIGENIC POWER OF FIBRINOGEN. 2p.
Order from SLA $1.10 TT-64-30771

Trans. of Soc[ieté de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1943, v. 137, p. 396.

Kriss, A. E., Rukina, E. A., and Issaiev, B. M.
ELECTRONE MICROSCOPE STUDIES ON THE STRUCTURE OF ACTINOMYCES.
R. Roberts, tr. 26 Feb 47, 4p 7refs.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60071

Trans. of Mikrobiologiya (USSR) 1945, v. 14, no. 3, p. 172-176.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Levashev, V. S.
CERTAIN GENETIC MECHANISMS OF FORMATION OF L-FORMS OF BACTERIA. [9p] 10refs
FASEB Ms No.: S 391-4.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60178

Trans. of #Akademiya Meditsinskikh Nauk SSSR. Vestnik, 1963, v. 18, no. 12, p. 84-89.
Another trans. is available from OTS $2.75 in TT-64-31179, JPRS-24398, 29 Apr 64, 132p.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Levy-Bruhl, M. and Cado, Yvonne.
ANTISEPTIC AND BACTERICIDE INFLUENCE OF DIACETYL WITH RESPECT TO SOME PATHOGENIC MICROBES. 2p (1 table omitted) 2refs.
Order from SLA $1.10 TT-64-30794

Trans. of Soc[iete de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Seances] (France) 1936, v. 122, p. 373-374.

Magliari, G., Capaldo, A. M., and Romano, G.
EPIDEMIOLOGICAL SURVEY OF STAPHYLOCOCCUS CARRIERS AMONG THE NURSING STAFF OF THE V. FAZZI HOSPITAL AT LECCE. II. RESISTANCE OF ISOLATED MICROORGANISMS TO ANTIBIOTICS AND THEIR RELATIONS WITH THEIR TYPING (Ricerca dei Portatori Sani di Stafilococchi tra il Personale Sanitario Ausiliario dell' Ospedale Civile "V. Fazzi" di Lecce. Nota II. Resistenza dei Germi Isolati Agli Antibiotici e Suoi Rapporticon la Loro Tipizzazione). 18p 31refs.
Order from SLA $1.60 TT-64-18683

Trans. of Ann[ali] Sclavo (Italy) 1963, v. 5, no. 1, p. 33-44.

Nakahara, N.
THE INFLUENCE OF HINOKITIOL ON ANAEROBIC BACTERIA. 3p. EMF-VD 1354 E.
Order from ETC $1.10 TT-63-27095

Trans. of Igaku to Seibutsugaku (Japan) 1949, v. 14 [no. 1, p. 30-33].

DESCRIPTORS: Bacteria, *Mycobacterium tuberculosis, Inhibition, Growth, Diseases.

Skavronskaya, A. G.
CHANGE IN CELL GENETIC STRUCTURES INDUCED BY 5-BROMOURACIL (Izmenenie Kletochnykh Geneticheskikh Struktur Pod Vliyaniem 5-Bromuratsila). [35p] (foreign text included) 81refs
FASEB Ms No.: S 390-4.
Order from OTS or ETC HC $2.00, MF $0.50
TT-65-60144

Trans. of #Akademiya Meditsinskikh Nauk SSSR. Vestnik, 1963, v. 18, no. 12, p. 51-62.
Another trans. is available from OTS $2.75 in TT-64-31179, JPRS-24398, 29 Apr 64, 132p.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Sushkevich, N. I. and Tokarevich, K. N.
TULAREMIA IN KALININGRAD PROVINCE; AN ESSAY ON ITS EPIDEMIOLOGY (Tularemiya v Kaliningradskoi Oblasti). 11 Sep 64 [18p] 7refs
Trans. V-1952.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19844

Trans. of Institut Epidemiologii, Mikrobiologii [i Gigieny] Leningrad. Trudy (USSR) 1959, v. 20, p. 106-123.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Ul'yanova, N. I., Zakharova, V. V., and Klenov, K. N.
TULAREMIA OUTBREAK OF TRANSMISSIVE ORIGIN IN THE VYBORG DISTRICT OF THE LENINGRAD OBLAST [Vspyshka Tularemii Transmissivnogo Proiskhozhdeniya v Vyborgskom Raione Leningradskoi Oblasti]. 9 Sep 64 [6p] 2refs Trans. V-1945.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19837

Trans. of Institut Epidemiologii, Mikrobiologii [i Gigieny] Leningrad. Trudy (USSR) 1959, v. 20, p. 124-129.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Valenta, V.M.
NOUVELLES DONNEES SUR LE VIRUS DU STOLBUR ET SUR QUELQUES JAUNISSES EN TCHECOSLOVAQUIE. Org.40.
Order from CNRS G/R-2669

Trans. in French of Akademiya Nauk SSSR. Institut Genetiki. Trudy, 1958, v.24, p.278-287.

Yafaev, R. Kh.
THE CHARCOAL AGGLOMERATION ADSORPTION REACTION. [13p] 4refs FASEB Ms No.: S 77-4.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60172

Trans. of #Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1963, v. 40, no. 10, p. 33-38.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Zherebchuk, L. K.
EFFECT OF GIBBERELLIN AND OTHER BIOLOGICALLY ACTIVE SUBSTANCES ON THE POTATO VIRUSES. [11p] 1ref .FASEB Ms No.: S 208-4.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60173

Trans. of Mikrobiologichnyi Zhurnal (USSR) 1963, v. 25, no. 5, p. 8-13.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Neurology and Psychiatry

Chernigovskii, V. N.
REFLEX REACTIONS IN RESPONSE TO STIMULATION OF RECEPTORS IN THE SPLEEN AND THE VESSELS OF AN INTESTINAL LOOP. Communication 1 on Investigation of the Receptors of Certain Internal Organs. [Paper] presented at Conference on Physiological Problems (no. 5) Moscow, 10 May 39. [1960, rev. 1964] 17p (figs omitted) 11refs.
Order from SLA $1.60 TT-60-18893 (rev.)

Trans. of [Fiziologicheskii Zhurnal SSSR] 1940, v. 29, no. 1/2, p. 3-14.

Rusinov, V. S.
AN ELECTROPHYSIOLOGICAL EXAMINATION OF EXCITATORY FOCI IN CNS (Elektrofiziologicheskoe Issledovanie Ochagov Vozbuzhdeniya v Tsentral'noi Nervnoi Sisteme). [61p] (foreign text included) 38refs FASEB Ms No.: S 293-4.
Order from OTS or ETC HC $3.00, MF $0.75
figs. available on loan from OTS TT-65-60141

Trans. of #Zhurnal Vysshei Nervnoi Deyatel'nosti (USSR) 1963, v. 13, no. 5, p. 798-815.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Wyrsch, J.
ETATS DEPRESSIFS; DEPRESSIVE STATES. 36p. EMF-VD-112D.
Order from ETC $3.60 TT-63-27745

Trans. of Acta Psychosomatica (Switzerland) 1948, no.1, p.3-42.

Pathology

[ARCHIVES OF IMMUNOLOGY AND EXPERIMENTAL THERAPY] 1964, VOL. 12, NO. 4, P. 429-559. 1964, 1v PL-480 HEW.
Order from OTS HC $1.25 TT-64-11410/4

English ed. of Archivum Immunologiae et Therapiae Experimentalis (Poland) 1964, v. 12, no. 4.

For table of contents see the "Periodicals Translated Cover-to-Cover" section of this issue.

[ARCHIVES OF IMMUNOLOGY AND EXPERIMENTAL THERAPY] 1964, VOL. 12, NO. 5, P. 561-663. 1964, 1v PL-480 HEW.
Order from OTS HC $1.00 TT-64-11410/5

English ed. of Archivum Immunologiae et Therapiae Experimentalis (Poland) 1964, v. 12, no. 5.

For table of contents see the "Periodicals Translated Cover-to-Cover" section of this issue.

POLISH ENDOCRINOLOGY, 1963, VOL. 14, NO. 5/6. 1963, 134p PL-480 HEW.
Order from OTS HC $1.50 TT-63-11408/5-6

Trans. of 17 selected papers from Endokrynologia Polska, 1963, v. 14, no. 5/6.

For table of contents see the "Periodicals Translated Cover-to-Cover" section of this issue.

Ando, K., Ishii, K. and others.
ETUDE SUR LE DIAGNOSTIC SEROLOGIQUE CHEZ LES ANIMAUX SUSPECTS DE RAGE II. 20p. (foreign text included) 1 ref. CNRS-III 81.
Order from ETC or CNRS $1.60 TT-62-29180

Trans. in French of Japanese Journal of Medical Science and Biology, 1953, v. 6, no. 6, p. 659-666.

Aver'yanova, L. L.
INFECTION OF THE CIRCUMPHARYNGEAL LYMPHOID TISSUE AND EXPERIMENTAL ENDOCARDITIS. [19p] 25refs FASEB Ms No.: S 505-4.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60183

Trans. of Voprosy Revmatizma (USSR) 1964, v. 4, no. 1, p. 16-23.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Belobragina, G. V. and Saknyn', A. V.
AN EXPERIMENTAL STUDY OF THE EFFECTS OF DUST IN THE NICKEL INDUSTRY. [20p]
FASEB Ms No.: S 377-4.
Order from OTS or ETC HC $1.00, MF $0.50
figs. available on loan from OTS TT-65-60160

Trans. of Gigiena Truda i Professional'nye Zabolevaniya (USSR) 1963, v. 7, no. 12, p. 8-15.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Berzin', V. K. and Priedniek, E. Ya.
THE EFFECT OF NONSPECIFIC SENSITIZATION WITH VARIOUS ANTIGENS ON THE INTENSITY OF THE TUBERCULIN REACTION IN GUINEA PIGS.
[15p] 15refs FASEB Ms No.: S 407-4.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60180

Trans. of #Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1964 [v. 41, no. 2] p. 102-108.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Bibikova, A.F.
MODIFICATIONS HISTOPATHOLOGIQUES TARDIVES DU SYSTEME NERVEUX CENTRAL CHEZ LE CHIEN, APRES IRRADIATION GENERALE ET REPETEE PAR LES RAYONS X. 9p. 6 refs.
CNRS-XXIX 12.
Order from ETC or CNRS $1.10 TT-62-28573

Trans. in French of Morfologiya i Patomorfologiya [sic] (USSR) n.d.

Binet, Leon and Strumza, Moise.
THE EPHEDRINE AGENTS ACTIVE IN THE STRUGGLE AGAINST ANOXEMIA. 3p.
Order from SLA $1.10 TT-64-20275

Trans. of Acad[emie des] Sci[ences] Par[is]. C[omptes] R[endus] (France) 1938, v. 207, p. 543-545 (pub. by Gauthier-Villars et Cie., Paris).

Bokser, Ya. A. and Ryabova, S. E.
ON THE QUESTION OF DUST IN COTTON FACTORIES.
H. Norris, tr. 13 May 43, 19p.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60086

Trans. of [Problemy Tuberkuleza] (USSR) 1932, no. 10, p. 633-642.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Coërs, C.
CRITICAL ANALYSIS AND TENTATIVE INTERPRETATION OF MORPHOLOGIC ANOMALIES OF THE NEURO-MUSCULAR JUNCTION IN HUMAN PATHOLOGY (Analyse Critique et Essai d' Interprétation des Anomalies Morphologiques de la Junction Neuro-Musculaire en Pathologie Humaine). [33p] (42 figs 8 tables omitted).
Order from SLA $3.60 TT-64-16939

Trans. of Académie Royale de Médecine de Belgique. Mem[oirs] 1961 [n.s. 2] v. 4 p. 69-148.

Dekhtyar', A. L.
THE ANTICOAGULANT ACTIVITY OF HEPARIN IN BLOOD OF PATIENTS WITH OBLITERATIVE ATHEROSCLEROSIS OF THE BLOOD VESSELS OF THE LOWER EXTREMITIES. [20p] 18refs FASEB Ms No.: S 640-3.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60157

Trans. of Klinicheskaya Meditsina (USSR) 1963, v. 41, no. 6, p. 38-43.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Denisenko, N. N.
TREATMENT OF CANCER WITH NIPPLE-WORT OR GREATER CELANDINE (CHELIDONIUM MAJUS)
Z. Knowles, tr. 4 Mar 48, 4p.
Order from OTS or ETC HC $1.00, MF $0.50
TT-60-19800

Abstract trans. of Vrach (USSR) 1896, v. 17, no. 46, p. 1301-1303.

Fels, E.
ACTION OF PROGESTERONE ON OVARIAN GRAFT TUMORS WITHIN THE SPLEEN. 2p 1ref.
Order from SLA $1.10 TT-64-30743

Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1958, v. 152, no. 12, p. 1828.

Franchimont, P., Lecomte, J., and Cauwenberge, H. van.
ACTION OF 5-HT ON THE DEVELOPMENT OF PAW EDEMA IN NORMAL AND ADRENALECTOMIZED RATS. 4p 6refs.
Order from SLA $1.10 TT-64-30741

Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1962, v. 156, p. 400-402.

Gilbert, W., Rönne, H., Jess, A., and Schieck, F., eds.
THE DISCIFORME DEGENERATION OF THE MACULA (Degeneratic Disciformis Maculae Luteae). 5p.
Order from SLA $1.10 TT-61-14278

Trans. from mono. Kurzes Handbuch der Ophthalmologie, 5 ed., n.p., n.d.

Gozzano, M.
PSYCHO-SOCIAL PROBLEMS OF EPILEPSY (Problemi Psicosociali dell'Epilessia). 33p. EMF-VD-112A.
Order from ETC $3.60 TT-63-27749

Trans. of Igiene Mentale (Italy) 1959, v.3, no.1, p.3-41.

Gurevich, I. B. and Murazyan, R. M.
CHANGES IN THE HEART IN BURNS (CLINICAL AND ROENTGENOLOGICAL INVESTIGATION). [12p] 7refs FASEB Ms No.: S 393-4.
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Trans. of Sovetskaya Meditsina (USSR) 1964, v. 27, no. 4, p. 37-[41].

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Igoshin, V. A.
COMPARATIVE EVALUATION OF METHODS OF STUDY OF FRAGILITY OF VASCULAR WALLS.
R. Roberts, tr. 15 Jul 47, 6p.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60098

Trans. of Klin[icheskaya] Med[itsina] (USSR) 1942, v. 20, no. 5/6, p. 83-87.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Kakhetelidze, M. G., Cherntsova, T. A., Moskaleva, G. P., and Nikolaeva, N. V.
HEMOPOIETINS IN CERTAIN BLOOD DISEASES. [14p] 74refs FASEB Ms No.: S 408-4.
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Trans. of #Problemy Gematologii i Perelivaniya Krovi (USSR) 1964 [v. 9] no. 2, p. 13-19.

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Klyueva, N. G. and Roskin, G. I.
CANCEROLYTIC SUBSTANCES-SCHIZOTRYPANUM CRUZI [Kantseroliticheskaya Substantsiya Schizotrypanum Cruzi]
R. Roberts, tr. 20 Jun 46, 3p.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60087

Trans. of Vrachebnoe Delo (USSR) 1946 [v. 26] no. 3/4 [p. 105-106].
Another trans. is available from SLA as RT-1311, 3p.

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Koyama, Z., Shinoda, Y., Kawano, J., Takemasa, Y., Takagi, M. and others.
STUDIES IN THE CHEMOTHERAPY OF CANCER. 5p.
Order from SLA $1.10 TT-64-18416

Trans. of [Nihon] Naika Gakkai Zasshi (Japan) [1963] v. 52, no. 5 [p. 534-535].

Kuznik, B. I. and Al'nikov, G. P.
LEUKOCYTE CLOTTING FACTORS OF THE BLOOD IN PATIENTS DURING A RELAPSE OF CHRONIC MYELOID LEUKEMIA. [9p] 14refs FASEB Ms No.: S 345-4.
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Trans. of Problemy Gematologii i Perelivaniya Krovi (USSR) 1964, v. 9, no. 1, p. 20-24.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Lavrent'ev, L. N.
MALIGNANT TUMORS OF THE INTESTINE IN RATS FOLLOWING PROLONGED INGESTION OF STRONTIUM-90. [14p] 26refs FASEB Ms No.: S 370-4.
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Trans. of #Voprosy Onkologii (USSR) 1964, v. 10, no. 1, p. 7-11.

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Leonov, V. M.
DYNAMICS OF THE CHANGES IN THE RESPIRATORY QUOTIENT AND ITS IMPORTANCE IN PATIENTS WITH TYPHOID AND PARATYPHOID FEVERS. [15p] 22refs FASEB Ms No.: S 593-4.
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Trans. of Terapevticheskii Arkhiv (USSR) 1964, v. 36, no. 4, p. 112-119.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Levin, A. I.
THE USE OF STEROID HORMONES IN CARDIO-PULMONARY INSUFFICIENCY (Primenenie Steroidnykh Gormonov pri Legochno-Serdechnoi Nedostatochnosti). [18p] (foreign text included) 17refs FASEB Ms No.: S 282-4.
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Trans. of Sovetskaya Meditsina (USSR) 1963, v. 27, no. 12, p. 30-33.

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Levkovich [E. N.].
ACTIVE IMMUNIZATION AGAINST EUROPEAN EXANTHEMATIC TYPHUS. II. COMPARATIVE EVALUATION OF THE EFFECTIVENESS OF TYPHUS V. VACCINE IN EXPERIMENTS OF ANIMALS AND EPIDEMIOLOGICAL EXPERIMENTS ON PERSONS.
R. Roberts, tr. 8 Apr 46, 10p.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-23628

Trans. of Zh[urnal] Mikrobiologii, Epidemiologii i Immunologii] (USSR) 1943, no. 1, p. 36-43.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Lewis, J. T., Foglia, V. G., and Rodriguez, R. R.
THE ACTION OF STEROIDS ON THE APPEARANCE OF DIABETES BY SUBTOTAL PANCREATECTOMY WITH THE RAT. 5p 8refs.
Order from SLA $1.10 TT-64-30754

Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1949, v. 143, no. 17/18, p. 1259-1261.

Meerson, F. Z. and Bazardzhyan, A. G.
THE SUPPRESSION OF MYOCARDIAL PROTEIN SYNTHESIS DURING COMPENSATORY CARDIAC HYPERFUNCTION AND THE MECHANISM OF MYOCARDIAL HYPERTROPHY. [25p] 29refs
FASEB Ms No.: S 446-4.
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TT-65-60154

Trans. of Akademiya Nauk Armyanskoi SSR [Erevan]. Izvestiya. Biologicheskie Nauki, 1963, v. 16, no. 3, p. 19-26.

Merzon, A. K., Nesterova, L. P
THE USE OF CORTICOSTEROIDS IN THE TREATMENT OF CARDIAC INSUFFICIENCY (Primenenie Kortikosteroidov pri Serdechnoi Nedostatochnosti). [39p] (foreign text included) 29refs FASEB Ms No.: S 281-4.
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TT-65-60204

Trans. of Sovetskaya Meditsina (USSR) 1963, v. 27, no. 12, p. 22-30.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Morosenskaya, L. S.
EXPERIMENTAL STUDIES IN THE BLASTOMOGENIC PROPERTIES OF BENZANTHRONE.
R. Roberts, tr. 1 Jan 44, 2p.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60080

Trans. of Ar[khiv] Biol[ogicheskikh] Nauk (USSR) 1940, v. 60, no. 3, p. 100-101.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Musatov', N. A.
THREE CASES OF INOPERABLE CANCER OF THE UTERUS UNDER THE INFLUENCE OF TREATMENT WITH GREATER CELANDINE
Z. Knowles, tr. 19 Mar 48, 9p.
Order from OTS or ETC HC $1.00, MF $0.50
TT-60-19723

Partial trans. (partly abstract) of Vrachebnyya Zapiski (USSR) 1896, v. 3, no. 17/18, p. 303-312.

Nemenova, N. M. and Anokhina, Yu. V.
CHARACTERISTICS OF CHRONIC LEUKEMIAS (ANALYSIS OF NECROPSY MATERIAL FROM THE CENTRAL INSTITUTE OF HEMATOLOGY AND BLOOD TRANSFUSION DURING THE PERIOD 1957-60 (Kharakteristika Khronicheskikh Leikozov (po Patologoanatomicheskim Materialam Tsolipk za 1957-1960gg.). [24p] (foreign text included) 21refs FASEB Ms No.: S 344-4.
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Trans. of #Problemy Gematologii i Perelivaniya Krovi (USSR) 1964, v. 9, no. 1, p. 11-17.

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Otsuka, S.
CHANGES IN THE INHIBITORY ACTIVITY OF BLOOD ON THE GROWTH OF MYCOBACTERIUM TUBERCULOSIS INDUCED BY REPEATED OPERATION. 2p.
EMF-VD 1354 E.
Order from ETC $1.10 TT-63-27096

Trans. of Igaku to Seibutsugaku (Japan) 1949, v. 14 [no. 1, p. 28-29].

DESCRIPTORS: Blood, *Mycobacterium tuberculosis, Growth, Operation, Surgery.

Pogorel'skii, A. I.
CHANGES IN THE OPTIC FUNDI IN RHEUMATIC FEVER. [18p] 8refs FASEB Ms No.: S 525-4.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60184

Trans. of Sovetskaya Meditsina (USSR) 1964, v. 27, no. 3, p. 38-42.

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Rohmer, P., Bellocq, G. Ph., and Villemin-Clog, L.
THE COMBINED ACTION OF VITAMINS A AND D UPON EXPERIMENTAL RICKETS. 3p 1ref.
Order from SLA $1.10 TT-64-30739

Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1931, v. 108, p. 27-30.

Rufanov, I. G., Marshak, A. M., and Sysoeva, L. A.
USE OF THE ANTIFUNGAL ANTIBIOTIC LEVORIN IN THE TREATMENT AND PROPHYLAXIS OF MONILIASIS AS A COMPLICATION IN SURGICAL PATIENTS. [14p] 9refs FASEB Ms No.: S 415-4.
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TT-65-60181

Trans. of Khirurgiya (USSR) 1964, v. 40, no. 2, p. 6-11.

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Ryvkin, I. A. and Ignatova, L. N.
THE IMPORTANCE OF HEREDITY AND ENVIRONMENT IN THE DEVELOPMENT OF ESSENTIAL HYPERTENSION AND DISTURBANCES OF LIPID METABOLISM (INVESTIGATION IN TWINS). [11p] 11refs FASEB Ms No.: S 388-4.
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Trans. of #Akademiya Meditsinskikh Nauk SSSR. Vestnik, 1963, v. 18, no. 12, p. 29-34.

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Samson, E. I.
PECULIARITIES OF PROTEIN METABOLISM OF PATIENTS WITH GASTRIC AND DUODENAL ULCER. [10p] 6refs FASEB Ms No.: S 578-4.
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Trans. of Vrachebnoe Delo (USSR) 1964, no. 3, p. 34-38.

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Shabad-Ivanova, M. P.
THE PROBLEM OF CANCER IN LIGHT OF EMBRYOLOGICAL DATA. 19 Nov 64 [10p] 7refs FTD-TT-63-1177.
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Unedited rough draft trans. of Arkhiv Patologii (USSR) 1959, v. 21, no. 10, p. 72-74.

Skochko, T. I.
FECAL AGGLUTINATION IN COMPARISON WITH BACTERIOLOGICAL METHODS OF DYSENTARY STUDY.
R. Roberts, tr. 27 Jan 47, 6p 14refs.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60103

Trans. of Zh[urnal] Mikrobiol[ogii] Epidemiol[ogii i] Immunol[ogii] (USSR) 1942, no. 3, p. 59-62.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Smazhnova, N. A. and Gasparyan, S. A.
CHANGES IN THE SYMPATHETICO-ADRENAL SYSTEM IN EXPERIMENTAL RENAL HYPERTENSION (K Voprosy ob Izmeneniyakh v Simpato-Adrenalovoi Sisteme pri Eksperimental'noi Pochechnoi Gipertonii). [13p] (foreign text included) 29refs FASEB Ms No.: S 350-4.
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Trans. of Patologicheskaya Fiziologiya i Eksperimental'naya Terapiya (USSR) 1963, v. 7, no. 6, p. 50-53.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Smorodintsev, A. A., Kazbintsev, L. I., and Chudakov, V. G.
VIRUS HEMORRHAGIC FEVERS
Y. Halperin, tr. 1964, 245p 375refs approx. PL-480 HEW.
Order from OTS HC $6.00 TT-64-11116

Trans. of mono. Virusnye Gemorragicheskie Likhoradki, Leningrad, 1963 [292p].

Spyrkez, T., Stoikitsa, S., Georgesku, B., Brochtyanu, E., and Marinesku, Eliza.
ETIOLOGY AND PATHOGENESIS OF THE EARLY POSTPRANDIAL SYNDROME FOLLOWING GASTRECTOMY. [10p] FASEB Ms No.: S 384-4.
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Trans. of Terapevticheskii Arkhiv (USSR) 1963, v. 35, no. 12, p. 68-73.

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Stepanova-Maslauskene, T. P.
INDICES OF THE AUTONOMIC NERVOUS SYSTEM IN CHILDREN WITH AN EXUDATIVE DIATHESIS. [11p] 13refs FASEB Ms No.: S 400-4.
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Trans. of Pediatriya (USSR) 1964, v. 43, no. 1, p. 37-43.

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Stuks, I. Yu.
SERUM PROTEINS IN PATIENTS WITH OBSTRUCTIVE EMPHYSEMA OF THE LUNGS. [12p] 30refs FASEB Ms No.: S 589-4.
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Trans. of Terapevticheskii Arkhiv (USSR) 1964, v. 36, no. 3, p. 105-111.

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Tomasek, I., Jovanovic, B. and Fijan, N.
LUTTE CONTRE L'HYDROPISIE INFECTIEUSE DE LA CARPE DANS CERTAINES DE NOS STATIONS D'ELEVAGE DE CE POISSON. 12p. CNRS-III 271.
Order from ETC or CNRS $1.60 TT-62-28625

Trans. in French of Ribarstvo Jugoslavije [sic] 1960, v. 15, no. 2, p. 37-40.

Tsurupa, D. I.
ULTRASOUND IN THE DIAGNOSIS OF ANEURYSMS.
[15p] FASEB Ms No.: S 399-4.
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Trans. of Khirurgiya (USSR) 1964, v. 40, no. 1, p. 93-98.
Another trans. is available from OTS $1.00 in TT-64-21938, JPRS-23937, 30 Mar 64, 30p.

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Turusov, V. S.
INDUCTION OF SKIN TUMORS IN RATS BY 9, 10-DIMETHYL-1, 2-BENZANTHRACENE. [21p] 20refs
FASEB Ms No.: S 455-4.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60171

Trans. of Arkhiv Patologii (USSR) 1964, v. 26, no. 2, p. 44-50.

Vigodchikov, G. V., Trushina, E. F., Bauer, E. N., Kolesnikova, L. I., and Kilimova, O. E.
HYPERIMMUNE ANTI-WHOOPING COUGH VACCINE. 1. THE OBTAINING AND STUDY OF HYPERIMMUNE ANTI-WHOOPING COUGH SERUM.
A. Knowles, tr. 16 Apr 48, 12p.
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Trans. of Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1947, no. 5, p. 28-33.

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Volfenson, L. G.
CHANGE IN MEASURE OF CELLS OF CORTEX OF SUPRARENALS IN DIFFERENT STAGES OF COMPENSATORY HYPERTROPHY
R. Roberts, tr. 8 Jul 47, 3p.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-23629

Trans. of B[yulleten'] Eksp[erimental'noi] Biol[ogii] i Med[itsiny] (USSR) 1946, v. 21, no. 1/2, p. 42-44.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Zefirova, G. S.
ADDISON'S DISEASE COMBINED WITH ARTERIAL HYPERTENSION (Addisonova Bolezn' v Sochetanii s Apterial'noi Gipertoniei). [18p] (foreign text included) 14refs FASEB Ms No.: S 394-4.
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Trans. of Sovetskaya Meditsina (USSR) 1964, v. 27, no. 1, p. 41-45.

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Trans. from Ostschweizer [isches] Tagblatt (Switzerland) 1947, 19 Apr.

THE SWISS PEOPLE AS GUINEA PIGS. [1964] 3p
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Trans. from Berner Tagwacht (Switzerland) 1947, 23 Apr.

Balatre, P., Combemale, P., and Griffie, R. A.
PHARMACODYNAMIC DATA ON INOSITOL HEXANITRATE. 2p.
Order from SLA $1.10 TT-64-30723

Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1949, v. 143 [no. 17/18] p. 1217-1218.

Bariety, M. and Kohler, D.
INVERSION OF THE VASCULAR EFFECTS OF YOHIMBINE BY A SYNTHETIC SYMPATHOLITIC (J. L. 408). 2p 5refs.
Order from SLA $1.10 TT-64-30779

Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1943, v. 137, p. 143.

Bariety, Maurice and Kohler, Denyse.
THE MECHANISM OF THE ACTION OF EPHEDRINE. 3p 3refs.
Order from SLA $1.10 TT-64-30783

Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1941, v. 135, p. 1133-1135.

Belenkii, M. L. and Vitolinya, M. A.
THE EFFECTS OF RESERPINE ON CATECHOLAMINE RESERVES IN RABBITS AND CATS (Vliyanie Rezerpina na Zapasy Piro-Katekhinaminov v Organizme Krolika i Koshki). [8p] (foreign text included) 8refs
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TT-65-60210

Trans. of #Farmakologiya i Toksikologiya (USSR) 1964, v. 27, no. 1, p. 15-16.

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Biozzi, G., Benacerraf, B., Stiffel, C., Halpern, B.-N.
QUANTITATIVE STUDY OF THE GRANULOPEXIC ACTIVITY OF THE RES IN THE MOUSE. 6p 5refs.
Order from SLA $1.10 TT-64-30748

Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1954, v. 148, no. 5/6, p. 431-435.

Bizard, G., Vanlerenberghe, J., and Grandjean, L.
PHARMACOLOGY OF TETRANITROPENTAERYTHRITE. 3p (1 fig omitted) 1ref.
Order from SLA $1.10 TT-64-30755

Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1948, v. 142, no. 5/6, p. 325-327.

Bonet-Maury, P.
MEASURE OF TOXICITIES WITH THE AID OF THE GRAPHIC LOGARITHM-PROBABILITY. 3p (1ref and 1 footnote omitted) 3refs
Order from SLA $1.10 TT-64-30770

Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1943, v. 137, p. 400-402.

Bovet, D., Bovet, F., and Dupuy, R.
HYPOTENSIVE PROPERTIES OF THE NITRIC ESTER OF AMINOETHANOL. 3p (1 fig omitted) 3refs.
Order from SLA $1.10 TT-64-30758

Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1945, v. 139, p. 946-947.

Bovet, D., Trefouel, L., Sterne, J., and Strickler, H.
ACTION OF DIETHYLAMINOETHOXY-2-DIPHENYL (1262 F) ON PROVOKED CARDIAC FIBRILLATION. 2p 3refs.
Order from SLA $1.10 TT-64-30735

Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1939, v. 130 p. 29-31.

Byvshuk, N. S.
A COMPARATIVE STUDY OF THE EFFECT OF EPINEPHRINE AND NOREPINEPHRINE ON GASTRIC MOTOR AND EVACUATORY FUNCTION. [13p] 21refs FASEB Ms No.: S 238-4.
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Trans. of #Farmakologiya i Toksikologiya (USSR) 1963, v. 26, no. 6, p. 678-684.

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Combemale, P., Legrand, R., and Desruelles, J.
CARDIO-VASCULAR EFFECTS OF INJECTIONS OF TINCTURE OF CRATAEGUS IN THE DOG. 2p.
Order from SLA $1.10 TT-64-30769

Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1943, v. 137, p. 515-516.

Cunha, A, Proenca da and Barreto Gomes, E.
SEPARATION OF POLYPEPTIDE ANTIBIOTICS BY PAPER CHROMATOGRAPHY. 11p 7refs
Order from SLA $1.60 TT-64-18642

Trans. of Coimbra Univ. Esc[ola de] Far[macia]. Bol[etin] (Portugal) 1961, v. 21, p. 153-163.

Danielopolu, D.
ACTION OF ERGOTAMINE, ADRENALIN, AND OF ADRENALIN AFTER ERGOTAMINE, ON ACETYLCHOLINIC SHOCK (COLLOIDOCLASIC AND ANAPHYLACTIC SHOCK) 2p.
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Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1943, v. 137, p. 332.

Durel, P. and Ratner, V.
CONTRIBUTION TO THE STUDY OF THE TOXIC POTENTIALIZATION, SULFAPYRIDINE-PAPAVERINE (GLAUBACH'S PHENOMENON). 3p 2refs.
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Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1943, v. 137, p. 214-215.

Eger, Wilhelm.
FURTHER STUDIES ON NECROTROPIC COMPOUNDS AS LIVER-PROTECTING FACTORS. II. METHOD. [1964] 2p (1 fig omitted)
Order from SLA $1.10 TT-64-16342

Partial trans. (p. 538-539) of [Virchow's] Arch[iv für] Path[ologische] Anat[omie und Physiologie und Khimische Medizin] (West Germany) 1956, v. 328, p. 536-551.

Gatsura, V. V. and Bandurina, L. A.
TECHNIQUE OF ANALYSIS OF THE ACTION OF DRUGS ON THE COLLATERAL CIRCULATION IN THE MYCARDIUM. [5p] 2refs FASEB Ms No.: S 438-4.
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Trans. of #Farmakologiya i Toksikologiya (USSR) 1964, v. 27, no. 1, p. 100-102.

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Gley, P. and Girard, A.
ANTISTREPTOCOCCIC ACTION OF THIO-ANILINE. 5p 3refs.
Order from SLA $1.10 TT-64-30792

Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Seances] (France) 1937, v. 125, p. 1027-1028.

Hazard, Rene.
INHIBITION OF ACETYLCHOLENE APNEA IN RABBITS BY PARA-AMINO-BENZOYL-DIETHYL-AMINOETHANOL (NOVOCAINE). 2p (1 fig omitted).
Order from SLA $1.10 TT-64-30727

Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1943, v. 137, p. 657-659.

Hazard, Rene and Corteggiani, Elisabeth.
SPASMOLYTIQUE ACTION OF PARA-AMINO-BENZOYL-DIETHYLAMINOETHANOL HYDROCHLORIDE (NOVOCAINE) ON THE ISOLATED GUINEA-PIG LUNG. 2p (1 fig omitted) 4refs.
Order from SLA $1.10 TT-64-30766

Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1943, v. 137, p. 688-689.

Heirman, P.
ADRENOXINE, INHIBITORY OXIDIZED ADRENALINE. 3p 2refs.
Order from SLA $1.10 TT-64-30790

Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Seances] (France) 1937, v. 126, p. 1264-1266.

Heirman, P.
SOME PHYSICAL PROPERTIES OF ADRENOXINE. 2p (1ref omitted).
Order from SLA $1.10 TT-64-30784

Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Seances] (France) 1938, v. 127, p. 345-346.

Hykes, O.-V., Hykes, D.-E., and Rerabek, J.
SPECIFIC ACTION OF A NEW DERIVATIVE OF P-AMINOPHENYLSULFAMIDE ON EXPERIMENTAL STREPTOCOCCIC SEPTICEMIA. 5p (1 fig omitted) 7 refs.
Order from SLA $1.10 TT-64-30791

Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1937, v. 126, p. 635-637.

Ishii, Y., Cho, I., Shiina, A., Baba, S., Nakayama, I., and Hiki, Y.
CLINICAL STUDIES ON URACIL MUSTARD (U-8344). 8p (2 figs omitted) 4refs.
Order from SLA $1.10 TT-64-18414

Trans. from Gan No Rinsho (Japan) 1963, v. 9, no. 10.

Iwata, Y.
THE ACQUISITION OF A PENICILLIN-RESISTANT STRAIN OF CL.WELCHII AND ITS TOXIN-PRODUCING ACTIVITY. 3p. EMF-VD 1354 E.
Order from ETC $1.10 TT-63-27094

Trans. of Igaku to Seibutsugaku (Japan) 1949, v. 14 [no. 1, p. 34-36].

DESCRIPTORS: Bacteria, Toxins and Antitoxins, *Penicillins, Experimental data.

Knabe, Joachim.
MODERN CORONARY DILATATORS (Über Moderne Koronardilatoren). 10p 16refs.
Order from SLA $1.10 TT-64-20916

Trans. of Deutsch[e] Pharm[azeutische] Ges[ellschaft] Mitt[eilungen] 1963, v. 33 [no. 5] p. 77-82.

Knunyants, I. L. and Kefeli, T. Ya.
SYNTHESIS IN THE FIELD OF NEW ANTIMALARIAL SUBSTANCES: DERIVATIVES OF GLUTACONEDIALDEHYDE.
R. Roberts, tr. 16 Jan 47, 3p 4refs.
Order from OTS or ETC HC $1.00, MF $0.50 TT-65-60069

Partial trans. (p. 628-631) of Zhurnal Obshchei Khimii (USSR) 1945, v. 15, no. 7/8, p. 628-634. A complete trans. is available from SLA as RT-2588; an abstract trans. from OTS or SLA $1.10 as TT-62-10863, 6p.

Kochetkova, V. A., Berkengeim, G. B., and Sidel'kovskaya, F. P.
PROLONGATION OF ACTION OF PENICILLIN AND STREPTOMYCIN BY MEANS OF AQUEOUS SOLUTIONS OF POLYVINYLPYRROLIDONE. [12p] 6refs
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Trans. of #Antibiotiki (USSR) 1963, v. 8, no. 11, p. 1100-1105.
Another trans. is available from OTS $0.50 as TT-64-21302, JPRS-22754, 16 Jan 64, 8p.

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CONCERNING THE STABLE MODIFICATIONS OF ORGANIC SUBSTANCES WHICH IN THE USUAL PREPARATION CRYSTALLIZE IN A TOTALLY OR PARTIALLY UNSTABLE FORM. 20p 24refs (figs omitted)
Order from SLA $1.60 TT-63-20498

Trans. of Archiv und Berichte [sic] 1943, p. 8-22.

Kundiev, Yu.I.
SUR L'ADSORPTION A TRAVERS LA PEAU DE DIVERS ESTERS DE L'ACIDE THIOPHOSPHORIQUE.
Org.140-949-763.
Order from CNRS G/R-2752

Trans. in French of #Farmakologiya i Toksikologiya (USSR) 1963, v.26, no.3, p.361-365.

Kundzinya, I. A. and Zitare, I. Ya.
TOPICAL USE OF OLIVOMYCIN IN TREATMENT OF ULCERS IN CANCER PATIENTS. [8p] 7refs
FASEB Ms No.: S 260-4.
Order from OTS or ETC $1.00, MF $0.50
figs available on loan from OTS TT-65-60167

Trans. of #Antibiotiki (USSR) 1963, v. 8, no. 12, p. 1113-1116.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

LaBarre, Jean, and Gillo, Leon.
THE CARDIOTONIC ACTION AND TOXICITY OF TWO ALKALOIDAL EXTRACTS OF VOACANGUA AFRICANA.
3p (1 fig omitted) 1ref.
Order from SLA $1.10 TT-64-30747

Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1955, v. 149, no. 9/10, p. 1075-1077.

Lapteve-Popova, M. S.
INFLUENCE OF ANTI-MALARIAL SUBSTANCES ON THE PHAGOCYTAL PROPERTIES OF LEUCOCYTES.
R. Roberts, tr. 30 Oct 43, 4p.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-23626

Trans. of Med[itsinskaya] Paraz[itologiya i Parazitarnye Bolezni] (USSR) 1942, v. 11, no. 3, p. 11-14.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Lindholn, H.
PREPARATION AND KEEPING QUALITY OF PHARMACEUTICALS MADE WITH CALCIFEROL VITAMIN D_2 (PREPARATION OF TABLETS AND POWDERS. ASSAY METHODS. PREPARATION METHOD AND TESTING OF POWDERS AND TABLETS). [1964] [12p]
Order from SLA $1.60 TT-64-16349

Partial trans. (p. 289-296) of Archiv for Pharmaci og Chemi (Denmark) 1940, v. 47, p. 287-300.

Lyashenko, V. A.
THE INFLUENCE OF TRANSPLANTATION WITH MYELOSAN (BUSULFAN; MYLERAN) ON THE SENSITIVITY OF SARCOMA 180 AND MOUSE LYMPHADENOSIS NK/LY TO OLIVOMYCIN. [18p] 10refs
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TT-65-60170

Trans. of #Antibiotiki (USSR) 1964, v. 9, no. 3, p. 244-249.

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THE PREVENTION OF CURARE-INDUCED SEIZURES AND PARALYSES IN ADRENALECTOMIZED RATS BY MESPENAL, A QUATERNARY AMMONIUM COMPOUND. [24p] 37refs FASEB Ms No.: S 436-4.
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Trans. of #Farmakologiya i Toksikologiya (USSR) 1964, v. 27, no. 1, p. 36-42.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Martin, Rene, Sureau, B., Chabbert, Y., Martin, L., Hutinel, B.
COLIMYCIN (La Colimycine). 25p (2 figs all refs omitted).
Order from SLA $2.60 TT-64-18715

Trans. of Rev[ue] Méd[icale] Franç[aise] 1959, v. 40, no. 2, p. 161-171.

Mayer, R. L. and Oechslin, C.
ANTISTREPTOCOCCICS (Extract for the sealed document on "The Activity and Toxicity of Compounds Derived from Benzene-Sulfamide). 3p.
Order from SLA $1.10 TT-64-20282

Trans. of Acad[emie des] Sci[ences] Par[is]. C[omptes] R[endus] (France) 1937, v. 205, p. 181-182 (pub. by Gauthier-Villars et Cie., Paris).

Mayer, R. L. and Oechslin, Ch.
ON A NEW CLASS OF ANTIBACTERIAL COMPOUNDS: P-NITROBENZOIC ACID AND ITS ESTERS.
3p 3refs.
Order from SLA $1.10 TT-64-30738

Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1939, v. 130, p. 211-214.

Medved', L. I., ed.
EXPERIMENTAL TOXICOLOGY OF ORGANIC PHOSPHORUS INSECTICIDES. 24 Dec 63, 58p
JPRS: 22450.
Order from OTS HC $3.00, MF $0.75 TT-64-21118

Trans. of mono. Gigiena i Toksikologiya Novykh Pestitsidov i Klinika Otravlenii (Hygiene and Toxicology of New Pesticides and Clinical Picture of Poisoning) Moscow, 1962, chap. 5, p. 188-256.

For table of contents see the "Periodicals Translated Cover-to-Cover" section of this issue.

Moignic, le and Pinoy.
CLINICAL APPLICATION OF EMULSION VACCINES IN FATTY MEDIA (LIPO-VACCINES). 2p 2refs.
Orderffrom SLA $1.10 TT-64-30804

Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1916, v. 79, p. 352-354.

Motovilova, T. P.
EFFECT OF RESERPINE ON THE SECRETORY FUNCTION OF THE GASTRO-INTESTINAL TRACT (Vliyanie Rezerpina na Sekretornuyu Funktsiyu Zheludochno-Kishechnogo Trakta). [12p] (foreign text included) 8refs FASEB Ms No.: S 236-4.
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TT-65-60215

Trans. of #Farmakologiya i Toksikologiya (USSR) 1963, v. 26, no. 6, p. 674-676.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Murashima, T.
ABOUT THE ORAL VACCINATION AGAINST DYSENTERY AND "YEKIRI". [3p].
Order from SLA $1.10 TT-64-18946

Trans. of Office Int[ernational d'] Hyg[iène] Pub[lique] Paris. Bull[etin] Mensuel (France) 1935, v. 27, p. 313-314.

Nishikawa, M., Aida, T., Suzuki, Y., Takemoto, Y., Katsumata, S., Kondo, R., and others.
CLINICAL INFORMATION ON MEDROL MEDULES. 16p 9refs.
Order from SLA $1.60 TT-64-18594

Trans. of Sogo Rinsho (Japan) 1962, v. 11 [p. 1360-1366].

Orboli, L. A., Brestkin, M. P., Kravchinskii, B. D., Pavlovskii, K. A., and Shistovskii, S. P.
TOXIC EFFECT OF NITROGEN AND HELIUM ON ANIMALS UNDER INCREASED ATMOSPHERIC PRESSURE.
H. Norris, tr. 10 Jan 46, 3p.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60099

Trans. of Voenno-[Morskoi] Med[itsinskii] Sbornik (USSR) 1944, v. 1, p. 109-118.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Parrot, J.-L., Lavollay, Jean, and Galmiche, Paul.
THE ACTION OF ADRENALINE ON CAPILLARY RESISTANCE AND ITS AUGMENTATION UNDER THE INFLUENCE OF VITAMIN P. 3p 4refs.
Order from SLA $1.10 TT-64-30760

Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1944, v. 138, p. 330-332.

Pilipenko, V.G., Miroshnichenko, M.A., and Polyakova, A.M.
ETUDE EXPERIMENTALE DU TRIVACCIN DERMIQUE ASSOCIE CONTRE LA PESTE, LA BRUCELLOSE ET LA TULAREMIE ET SELECTION DES DOSES OPTIMALES D'ANTIGENES. Org.140-922-663.
Order from CNRS G/R-2747

Trans. in French #Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii (USSR) 1963, no. 5, p. 35-41.
Another trans. in English is available from OTS $1.75 in TT-64-21000, JPRS-22259 (p. 12-25) 13 Dec 63, 14p.

Portier, P. and Richet, C.
THE ANAPHYLACTIC ACTION OF CERTAIN VENOM. 3p.
Order from SLA $1.10 TT-64-30806

Trans. of Soc[iété de] Biol[ogie et de ses Filales]. C[omptes] R[endus des Séances] (France) 1902, v. 54, p. 170-172.

Quevauviller, Andre.
THE ACID WHICH SALIFIES THE BASE OF NOVOCAIN, MODIFIES THE LOCAL ANESTHETIC INTENSITY OF THIS BASE ON THE ITERATIVE SENSITIVE NERVE. 3p 7refs.
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Trans. of Soc[iete de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Seances] (France) 1943, v. 137, p. 630-631.

Quinquaud, Alfred.
THE EMETIC THRESHOLD OF HISTAMINE: ITS PREVENTION BY YOHIMBINE. 3p 2refs.
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Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1950, v. 144, no. 3/4, p. 230-231.

Ramanamanjary, W.
THE ACTION OF HISTAMINE ANTAGONISTS ON THE TENSOR EFFECTS OF HISTAMINE IN THE RABBIT. 3p 5refs.
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Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1944, v. 138, p. 480-482.

Raymond-Hamet.
RELATIVE TOXICITY OF YOHIMBINE AND ITS DIACETYLATED DERIVATIVE. 3p 3refs.
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Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1943, v. 137, p. 305-307.

Raymond-Hamet.
VASCULAR EFFECTS OF DIACETYLYOHIMBINE. 2p (1 fig 2refs omitted).
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Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1943, v. 137 p. 292-293.

Raymond-Hamet.
VASCULO-TENSOR PROPERTIES OF A NATIVE ACONITE: ACONITUM LYCOCTONUM L. 2p (1 fig omitted).
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Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Seances] (France) 1943, v. 137, p. 675-676.

Raymond-Hamet.
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Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1939, v. 130, p. 429-430.

Regnier, J. and Lambin, Suzanne.
COMPARISON OF RESULTS OBTAINED BY DIFFERENT METHODS USED TO DISTINGUISH THE ACTIVITY OF DIFFERENT MORPHINE SALTS. 3p 7refs.
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Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1938, v. 127, p. 116-118.

Regnier, Jean, Bazin, Suzanne, and Pelletier, Jacquelline.
COMPARATIVE ACTION OF THE HYDROCHLORIDES OF DIFFERENT LOCAL ANESTHETIC BASES ON THE SOLS OF MASTIC RESIN AND OF COLLODIAL ALUMINA. 2p 2refs.
Order from SLA $1.10 TT-64-30810

Trans. of Société de Biologie et de ses Filiales. Comptes Rendus des Séances (France) 1943, v. 137, no. 1/2, p. 101-102.

Regnier, Jean and Lambin, Suzanne.
INFLUENCE OF DIFFERENT MORPHINE SALTS ON THE OCULO-PALPEBRAL REFLEX OF THE RABBIT, WHEN INJECTED IN INTRAVENOUS SOLUTION. 3p 2refs.
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Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1938, v. 127, p. 113-116.

Regnier, Jean and Lambin, Suzanne.
MEASURE OF THE ACTION OF MORPHINE ADMINISTERED BY VEIN OR SUBCUTANEOUSLY, ON THE OCULO-PALPEBRAL REFLEX. 4p 3refs.
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Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1938, v. 127, p. 39-42.

Richet, Charles, Perret, Aug., and Portier, P.
CHEMICAL AND PHYSIOLOGICAL PROPERTIES OF THE TOXIN OF ACTINIA (ACTINOTOXIN). 3p.
Order from SLA $1.10 TT-64-30805

Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1902, v. 54, p. 788-790.

Rodriguez, R. R.
PREVENTION OF DIABETES BY DIETHYLSTILBESTROL WITH FORCED-FED RATS. 3p 4refs.
Order from SLA $1.10 TT-64-30732

Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1949, v. 143 [no. 17/18] p. 1264-1266.

Safrazbekyan, R. R., Sukasyan, R. S., and Parsadanyan, R. G.
THE INFLUENCE OF SOME ANALOGS OF ATROPINE ON EXPERIMENTAL BRONCHOSPASM. [20p] 3refs FASEB Ms No.: S 320-4.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60148

Trans. of Akademiya Nauk Armyanskoi SSR [Erevan]. Izvestiya. Biologicheskie Nauki, 1963, v. 16, no. 5, p. 7-13.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Shabad, L. M. and Shtessel, T. A.
USE OF FOLLICULIN OINTMENT FOR TREATMENT OF WOUNDS.
H. Norris, tr. 30 Oct 47, 4p.
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TT-65-60088

Trans. of Byull[eten] Eksp[erimental'noi] Biol[ogii i Meditsiny] (USSR) 1944, v. 17, no. 3, p. 58-60.

Smusin, Ya.S.
DIMINUTION DE L'ACTIVITE CHOLINES-TERASIQUE DANS LES TISSUS ET ORGANES PENDANT L'INTOXICATION EXPERIMENTALE PAR L'ARMINE. Org.140-948-763.
Order from CNRS G/R-2751

Trans. in French of #Farmakologiya i Toksikologiya (USSR) 1963, v.26, no.3, p.358-361.

Sterne, J., Bovet, D., and Henry, Ch.
ACTION OF DIETHYLAMINOETHOXY-2-DIPHENYL (1262 F) ON THE NORMAL AND PATHOLOGIC ELECTROCARDIOGRAM. 2p.
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Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1939, v. 130, p. 209-211.

Sterne, J., Bovet, D., and Lenoir, J.
EFFECTS OF DIETHYLAMINOMETHYLBENZODIOXAN (883 F) ON PROVOKED MYOCARDIAC LESIONS. 2p 4refs.
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Trans. of Soc[iété de] Biol[ogie et des ses Filiales]. C[omptes] R[endus des Séances] (France) 1939, v. 130, p. 207-209.

Sugiyama, Hisa, Ogasanara, Tatsu, Yusa, Hiko'o, and Kohari, Shunichi.
CURING EFFECT OF COLISTIN 'YASHIMA' ON THE NON-CONTAGEOUS DIARRHEA: EFFECT OF THE COLISTIN ON THE COLONY OF FAECES. [14p].
Order from SLA $1.60 TT-64-18741

Trans. of Chiryo (Japan) 1954, v. 36, p. 1301-1304.

Trefouel, J., Strickler, H., and Bovet, D.
COMPARATIVE ACTIVITY ON THE HEART OF A NEW SERIES OF DERIVATIVES OF AMINOETHOXYDIPHENYL. 3p 2refs.
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Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances[(France) 1939, v. 130, p. 27-29.

Trommer, A.
CONCERNING THE EFFECT OF INHALED ETHYLENE OXIDE. 14p 17refs.
Order from SLA $1.60 TT-64-20804

Trans. of Würzburg Univ. (Germany) Dissertation, 1931.

Ziebell, G.
PROCESS FOR THE PRODUCTION OF ETHER PRO NARCOSI AND PRO ANALYSI. Nov 64.
Order from TTIS $6.30 TTIS NS 273

Trans. of E[ast] German patent 26,021, appl. 9 Jul 59, pub. 13 Nov 63.

Zynkova, N. Ya., Kazarnovs'kyi, L. S., Solon'ko, V. N., and Shynyans'kyi, L. A.
MAKING EXTRACTS BY MEANS OF ULTRASOUND (Oderzhannya Ekstraktiv pid Vplyvom Ul'trazvuku). Sep 64 [6p] 2refs RTS-2449
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Trans. of Farmatsevtychnyi Zhurnal (USSR) 1961, v. 16, no. 4, p. 15-16.

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Radiobiology

POLISH REVIEW OF RADIOLOGY AND NUCLEAR MEDICINE, 1963, VOL. 27, NO. 6, P. 451-538. 1963, 1v. PL-480 HEW.
Order from OTS HC $1.00 TT-63-11415/6

Trans. of Polski Przeglad Radiologii i Medycyny Nuklearnej, 1963, v. 27, no. 6.

For table of contents see the "Periodicals Translated Cover-to-Cover" section of this issue.

Bagramyan, E. R. and Grodzenskii, D. E.
THE EFFECT OF ROENTGEN RAYS AND HORMONES ON THE PENETRATION OF LABELED ALBUMIN INTO INFLAMMATORY FOCI (Deistvie Rentgenovykh Luchie i Gormonov na Proniknovenie Mechenogo Al'bumina v Vospalitel'nyi Ochal). [20p] (foreign text included) 7refs
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TT-65-60206

Trans. of Patologicheskaya Fiziologiya i Eksperimental'naya Terapiya (USSR) 1963, v. 7, no. 6, p. 27-31.

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Baikova, V. S.
THE EFFECT OF THERAPEUTIC DOSES OF RADIOACTIVE IODINE ON RENAL FUNCTION. [32p] 22refs
FASEB Ms No.: S 474-4.
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Trans. of Meditsinskaya Radiologiya (USSR) 1964, v. 9, no. 2, p. 56-64.

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Barakina, N.F., Shapiro, I.M., and Yanushevskaya, M.I.
METHODE BIOLOGIQUE D'EVALUATION DE LA DOSE D'IRRADIATION CHEZ LES MAMMIFERES PAR DETERMINATION DU TAUX DES CELLULES DE LA MOELLE OSSEUSE CONTENANT DES ALTERATIONS CHROMOSOMIQUES. Org.140-913-663.
Order from CNRS G/R-2746

Trans. in French of Akademiya Nauk SSSR. Doklady, 1963, v.149, no.5, p.1187-1189.
Another trans. is available in English from AIP $4.00.

Barskii, I. Ya. and Gershanovich, M. L.
TECHNIQUE OF INTRAVITAL HISTO-CYTOLOGICAL STUDY OF RADIATION INJURIES OF THE SKIN BY MEANS OF THE CONTACT FLUORESCENCE MICROSCOPE. [9p] 4refs
FASEB Ms No.: S 473-4.
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Trans. of Meditsinskaya Radiologiya (USSR) 1964, v. 9, no. 2, p. 29-37.

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DISTURBANCE OF THE MECHANISMS OF ADAPTATION TO A RAISED EXTERNAL ENVIRONMENTAL TEMPERATURE UNDER THE INFLUENCE OF IONIZING RADIATION. [11p] 12refs FASEB Ms No.: S 341-4.
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TT-65-60187

Trans. of #Radiobiologiya (USSR) 1963, v. 3, no. 5, p. 711-716.

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Gracheva, N. D.
AN AUTORADIOGRAPHIC STUDY USING H^3-THYMIDINE OF DNA SYNTHESIS IN SUBCELLULAR STRUCTURES OF THE LIVER IN ALBINO RATS AFTER WHOLE-BODY ROENTGEN-RAY IRRADIATION. [13p] 13refs FASEB Ms No.: S 467-4.
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Trans. of #Radiobiologiya (USSR) 1964, v. 4, no. 1, p. 102-108.

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Jurkovic, V. and Vokrouhlicky, L.
EXCITABILITY OF VAGOSYMPATHETIC NERVOUS SYSTEM IN RADIATION SICKNESS. [9p] 19refs
FASEB Ms no. S 472-4.
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TT-65-60190

Trans. of Meditsinskaya Radiologiya (USSR) 1964, v. 9, no. 1, p. 53-57.

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Kuzin, A. M.
PROBLEMS RELATED TO THE THEORY OF THE BIOLOGICAL ACTION OF FAST NEUTRONS (Nekotorye Voprosy Teorii Biologicheskogo Deistviya Bystrykh Neitronov). [15p] (foreign text included) 27refs FASEB Ms No.: S 464-4.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60147

Trans. of #Radiobiologiya (USSR) 1964, v. 4, no. 1, p. 18-25.

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Labanava, N. M.
EFFECT OF GENERAL IRRADIATION WITH GAMMA-RAYS FROM Co^{60} ON THE CONTENT OF INTERMEDIATED PRODUCTS OF CARBOHYDRATE AND PHOSPHORIC ACID METABOLISM IN CARDIAC AND SKELETAL MUSCLE. [10p] 15refs
FASEB Ms No.: S 452-4.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60196

Trans. of Akademiya Navuk BSSR [Minsk]. Vestsi. Seryya Biyalagichnykh Navuk, 1964, no. 1, p. 53-58.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Libinzon, R.E., Konstantinova, V.V. and others.
SUR LE MECANISME DE L'ACTION THERAPEUTIQUE DU ADN HAUT POLYMERE SUR LA MALADIE DES RAYONS. Org.140-943-763.
Order from CNRS G/R-2749

Trans. in French of #Radiobiologiya (USSR) 1963, v. 3, no. 3, p. 456-462.

Mashanskii, V. F. and Samoilova, K. A.
EFFECT OF ULTRAVIOLET RADIATION ON CELL FINE STRUCTURE. [23p] 38refs FASEB Ms No.: S 401-4.
Order from OTS or ETC HC $1.00, MF $0.50
figs. available on loan from OTS TT-65-60189

Trans. of #Tsitologiya (USSR) 1964, v. 6, no. 1, p. 59-66.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Mel'man, E. P., Raitses, V. S., and Sopil'nik, A. Yu.
ROENTGENOLOGICAL DATA ON THE STATE OF THE EVACUATORY MOTOR ACTIVITY OF THE STOMACH FOLLOWING EXPERIMENTAL INTERFERENCE WITH ITS BLOOD SUPPLY. [15p] 7refs FASEB Ms No.: S 517-4.
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TT-65-60156

Trans. of Vrachebnoe Delo (USSR) 1964, no. 2, p. 23-30.

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Perepelkin, S. R.
CHANGES IN GASTRIC SECRETION AFTER ORAL ADMINISTRATION OF RADIOACTIVE SODIUM (Ob Izmeneniyakh Sekretsii Zheludka pri Vvedenii Vnutr' Organizma Radioaktivnogo Natriya). [13p] (foreign text included) FASEB Ms No.: S 263-4.
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TT-65-60217

Trans. of Meditsinskaya Radiologiya (USSR) 1963, v. 8, no. 12, p. 38-42.

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Petrishchev, N. N.
EFFECT OF THYROIDECTOMY ON THE RESISTANCE OF RATS TO X-RAY IRRADIATION (Vliyanie Tireoidektomii na Ustoichivost' Krys k Rentgenovskomu Oblucheniyu). [12p] (foreign text included) 6refs FASEB Ms No.: S 468-4.
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Trans. of #Radiobiologiya (USSR) 1964, v. 4, no. 1, p. 114-117.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Psychoyos, A.
EFFECT OF ESTROGENS ON THE ELIMINATION OF RADIOACTIVE IODINE BY THE LIVER AND THE KIDNEY. 4p 8refs.
Order from SLA $1.10 TT-64-30746

Trans. of Soc[iété de] Biol[ogie et de ses Filiales]. C[omptes] R[endus des Séances] (France) 1956, v. 150, no. 4, p. 675-677.

Rabkina, A. E.
A HISTORADIOAUTOGRAPHIC STUDY OF THE DISTRIBUTION OF LABELED INSULIN UNDER NORMAL CONDITIONS AND IN EXPERIMENTAL TOXIC HEPATITIS. [22p] 21refs FASEB Ms no.: S 337-4.
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figs. available on loan from OTS TT-65-60186

Trans. of Problemy Endokrinologii i Gormonoterapii (USSR) 1964, v. 10, no. 1, p. 97-103.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Sedov, V. V., Serebryakov, N. G., Tarasov, N. F., and Gorel'chik, K. I.
THE DIAGNOSIS OF DISORDERS OF PULMONARY CIRCULATION WITH THE AID OF RADIOACTIVE GOLD SUSPENSION. [8p] 2refs FASEB Ms No.: S 471-4.
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Trans. of Meditsinskaya Radiologiya (USSR) 1964, v. 9, no. 1, p. 47-49.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Ugarova, T. Yu., Diskina, B. S., and Tseitlin, P. I.
RADIOSENSITIVITY OF RIBONUCLEASE, A COMPONENT OF AN ARTIFICIAL DNA-RIBONUCLEASE COMPLEX. [10p] 24refs FASEB Ms No.: S 466-4.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60195

Trans. of #Radiobiologiya (USSR) 1964, v. 4, no. 1, p. 47-52.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Volokhova, N. A.
THE EFFECT OF IRRADIATION ON THE BODY TEMPERATURE OF MONKEYS. [19p] 9refs FASEB Ms No.: S 475-4.
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TT-65-60163

Trans. of Meditsinskaya Radiologiya (USSR) 1964, v. 9, no. 2, p. 75-80.
Another trans. is available from OTS $1.50 in TT-64-31197, JPRS-24452, 4 May 64, 57p.

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Surgery

Debuch, Liesel.
THE SHOVELERS'S (SCHIPPER) DISEASE AND ITS TREATMENT. 13p 20refs.
Order from SLA $1.60 TT-65-10708

Trans. of Archiv für Orthopädische und Unfall-Chirurgie (Germany) 1936, v. 37, p. 223-231.

Gribovod, A. F.
THE MORPHOLOGY OF WOUND HEALING IN SURGICAL INCISION OF THE HEART. [25p] 26refs FASEB Ms No.: S 454-4.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60161

Trans. of Arkhiv Patologii (USSR) 1964, v. 26, no. 2, p. 10-16.

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Zoology

Blagodatskaya, G.I.
IMPORTANCE DU REGIME D'ECLAIREMENT POUR LA CROISSANCE ET LA MATURATION SEXUELLE DE L'OIE (Znachenie Svetovoho Rezhyma v Obshchem Roste i Polovom Razvityy Husei). 35p. (foreign text included) 17 refs. CNRS-III 135.
Order from ETC or CNRS $3.60 TT-63-26351

Trans. in French of Akademiya Nauk URSR, Kiev. Instytut Zoologii. Trudy, 1955, v. 12, p. 68-82.

Borutskii, E.V.
CONTRIBUTION A L'ETUDE DES ISOPODES TERRESTRES DE L'U.R.S.S. I. CYLISTICUS ORIENTALIS SP.N. (Materialy po Faune Nazemnykh Isopoda S.S.S.R. I. Cylisticus Orientalis Sp.N.). 73p. 10 refs. CNRS-III 17.
Order from ETC or CNRS $7.60 TT-63-26350

Trans. in French of Moscow U. Zoologicheskii Musei. Sbornik Trudov (USSR) 1939, v. 5, p. 169ff.

Brzeski, M.
VERS FILIFORMES (NEMATODES) DE SPHAIGNES DE LA VALLEE KOSCIELISKA (MOTS DE TATRA) OCCIDENTAUX. 13p. CNRS-III 293.
Order from ETC or CNRS $1.60 TT-63-26497

Trans. in French of Acta Zoologica Cracoviensia (Poland) 1962, v.7, no.2, p.23-28.

Dement'ev, G. P., Meklenburtsev, R. N., Sudilovskaya, A. M., and Spangenberg, E. P.
EASTERN BLACK-BELLIED SANDGROUSE PTEROCLES ORIENTALIS ARENARIUS PALLAS. 4p.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19347

Trans. of Ptitsy Sovetskogo Soyuza (USSR) 1951, v. 2, p. 75-79.

Dogel', V. A, Petrushevskii, G. K., and Polyanskii, Yu. I., editors.
PARASITOLOGY OF FISHES. Dec 61, 394p.
Order from PLP $17.50

Trans. of unidentified Russian mono., n.p., n.d.

Gulidov, M. V.
RESPIRATORY ORGANS OF THE EMBRYOS OF VIVIPAROUS TELEOSTS (LITERATURE REVIEW). [35p] 61refs FASEB Ms No.: S 449-4.
Order from OTS or ETC HC $2.00, MF $0.50
TT-65-60149

Trans. of Voprosy Ikhtiologii (USSR) 1963, v. 3, no. 2[27] p. 288-303.

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Edel'man, N.M.
ALIMENTATION DES INSECTES SUR MILIEUX ARTIFICIELS. Org. 40.
Order from CNRS G/R-2651

Trans. in French of# Uspekhi Sovremennoi Biologii (USSR) 1961, v.51, no.2, p.204-219.

Kapuscinski, Stanizlaw.
MEGASTIGMUS KUNTZEI KAP. SPOTTED JUNIPER WASP (HYMENOPTERA: CHALCIDOIDEA, TORYMIDAE): A DESTRUCTIVE INSECT FEEDING IN SEEDS OF COMMON JUNIPER (JUNIPER COMMUNIS L.) AND OTHER INSECTS OF THE GENUS MEGASTIGMUS DALM. INJURIOUS TO THE SEEDS OF CUPRESSACEAE (Znamionek Jalowcowy (Megastigmus Kuntzei Kap. Hymenoptera: Chalcidoidea Torymidae) Szkodnik Nasion Jalowca Pospolitego (Juniperus Communis L.)
W. Kulerski, tr. 1964 [105p] 44refs PL-480 Agr.
Order from OTS HC $1.00 TT-61-11339

Trans. of reprint of Instytut Badawczy Lesnictwa. [Prace] (Poland) 1946, no. 47, p. 128ff (rev. 1962).

Larczenko, K.
FEEDING AND DIAPAUSE OF THE COLORADO POTATO BEETLE (Odzywianie i Diapauza Stanki Ziemniaczanej)
Albert Radziwill, tr. 1964 [28p] 21refs PL-480 Agr.
Order from OTS HC $0.50 TT-60-21412

Trans. of Roczniki Nauk Rolniczych. [Series A: Roslinna] (Poland) 1957, v. 74, no. 2, p. 287-314.

Markov, G. S. and Kosareva, N. A.
THE REGULAR SEPARATE AND JOINT OCCURRENCE OF COMPONENTS IN FISH PARASITOCOENOSES (O Zakonomerno-Razdel'noi i Sovmestnoi Vstrechaemosti Sochlenov v Parazitotsenozakh Ryb). Oct 64 [20p] 45refs RTS-2392.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60348

Trans. of Zool[ogicheskii] Zhurn[al] (USSR) 1962, v. 41, no. 10, p. 1477-1487.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Novikov, B.G.
ANALYSE EXPERIMENTALE DES DIFFERENCES SEXUELLES ET SAISONNIERES DE LA REACTION DES GONADES DES OISEAUX A LA LUMIERE (Eksperimental'nyi Analiz Polovykh i Sezonnykh Razlichii v Reaktsii Gonad Ptits na Svet). 44p. (foreign text included) 34 refs. CNRS-III 129.
Order from ETC or CNRS $4.60 TT-63-26352

Trans. in French of Akademiya Nauk URSR, Kiev. Instytut Zoologii. Trudy, 1955, v. 12, p. 37-53.

Petrishcheva, P. A.
FIELD METHODS OF INVESTIGATING SANDFLIES AND ANTI-SANDFLY MEASURES. [1964] [73p] (figs omitted) refs NAMRU Trans. 26(T26).
Order from OTS or ETC HC $3.00, MF $0.75
TT-64-15606

Trans. of unidentified Russian mono, Moscow, 1954, p. 3-4, 109-186.

Rakova, V. M.
PARASITIC FAUNA IN ORFE (O Parazitofaune Orfy). Aug 64 [14p] 17refs RTS-2603.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19925

Trans. of Voprosy Ikhtiologii (USSR) 1959, no. 13, p. 182-188.

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Salekhova, L. P.
SELF-FERTILIZATION AND DEVELOPMENT OF THE SELF-FERTILIZED EGGS OF THE STONE PERCH SERRANUS SCRIBA (L.). [29p] 26refs FASEB Ms No.: 448-4.
Order from OTS or ETC HC $2.00, MF $0.50
TT-65-60155

Trans. of Voprosy Ikhtiologii (USSR) 1963, v. 3, no. 2[27] p. 275-287.

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Semenov-Tyan-Shanskii, A. P.
CLASSIFICATION OF THE TRIBE HEDYCHRINI MOCS: (HYMENOPTERA, CHRYSIDIDAE) AND DESCRIPTION OF NEW SPECIES (Sistema Triby Hedychrini Mocs: (Hymenoptera, Chrysididae) i Opisanie Novykh Vidov). 1964, 9p PL-480 Agr.
Order from OTS HC $1.00 TT-64-11082

Trans. of Akademiya Nauk SSSR. Zoologicheskii Institut. Trudy, 1954, v. 15, p. 138-145.

Shipova, A. A.
STUDY OF THE FLIGHT RANGE OF ANOPHELES MACULIPENNIS MG. IN HIBERNATION IN THE TOMSK AREA IN 1935.
H. N., tr. 27 Mar 42, 5p.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-23627

Trans. of Med[itsinskaya] Parasitol[ogiya i Parasitarnye Bolezni] (USSR) 1936 [v. 5] no. 5, p. 937-941.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Stroganov, N. S. and Ievleva, E. S.
DETERMINATION OF THE DEGREE OF KINSHIP IN FISHES BY THE AGAR PRECIPITATION METHOD. [14p] 20refs FASEB Ms No.: S 398-4.
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Trans. of Zoologicheskii Zhurnal (USSR) 1964, v. 43, no. 2, p. 214-219.

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Trans. of French patent 679,998, by I. G. Farbenindustrie A. G., Frankfurt/Main, filed 1 Dec 28, granted 17 Jan 30, pub. 23 Apr 30.

PROCEDURE FOR THE PRODUCTION OF CYANOHYDRINS. 5p 4refs.
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Trans. of German patent 947,550, n. d.

Blaszkowska, Z., Wisniewski, W., and Teichert, A.
SELECTIVE SORPTION AND SWELLING OF ION EXCHANGERS (Sorpcja Selektywna i Pecznienie Jonitow) W. Kulerski, tr. 1964 [7p] 9refs PL-480 Agr.
Order from OTS HC $0.50 TT-61-11372

Trans. of Roczniki Chemii (Poland) 1955, v. 29, no. 2/3, p. 921-925.

Eskin, V. E., Baranovska, I. A., Litmanovich, A. D., and Topchiev, A. V.
THE COMPOSITION HETEROGENEITY AND FRACTIONATION OF STYRENE-METHYL METHACRYLATE. 8p 7refs.
Order from TC $8.50 TC-293

Trans. of Vysokomolekulyarnye Soedineniya (USSR) 1964, v. 6, p. 896-900.

Fugmann, R., Braun, Wilhelm, and Vaupel, W.
DOCUMENTATION OF CHEMICAL RESEARCH DATA F. H. B., tr. 28 Oct 64, 27p 10refs.
Order from OTS or ETC HC $2.00, MF $0.50
TT-64-23592

Trans. of a reprint from Angewandte Chemie (West Germany) 1961, v. 73, no. 23, p. 745-751.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Klöpfer, Harry.
PROCEDURE FOR THE PRODUCTION OF CARBON BLACK DERIVATIVES (Verfahren zur Herstellung von Russabkömmlingen). 7p (foreign text included).
Order from SLA $1.10 TT-65-10594

Trans. of German patent 893,241, cl 22 f, gr 14, by Deutsche Gold- und Silber-Scheideanstalt, pub. 3 Sep 53, in force since 29 Nov 51, appl. D 11,004 IV b/22 f, 12 Feb 53.

Kuznetsova, N. P.
THE PROBLEM OF THE ORIGIN OF NATURAL BITUMENS AND PYRROLE COMPOUNDS. I. THE SIGNIFICANCE OF AND A METHOD FOR DETERMINING PYRROLE DERIVATIVES OF VARYING COMPLEXITY IN BITUMINOUS FORMATIONS. 9p
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Trans. of Akad[emiya] Nauk SSSR. Inst[itut] Goryuch-[ikh] Iskop[aemykh]. Tr[udy] 1939, v. 1, Ser. Genezisa, no. 1, p.15-22.

Kuznetsova, N. P.
THE PROBLEM OF THE ORIGIN OF NATURAL BITUMENS AND PYRROLE COMPOUNDS. II. ARE THE PYRROLE COMPOUNDS IN NATURAL BITUMENS LIMITED TO HIGHLY COMPLEX DECOMPOSITION PRODUCTS OF CHLOROPHYLL AND HEMOGLOBIN? 6p
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Trans. of Akad[emiya] Nauk SSSR. Inst[itut] Goryuch-[ikh] Iskop[aemykh]. Tr[udy] 1939, v. 1, Ser. Genezisa, no. 1, p. 23-28.

Kuznetsova, N. P.
THE PROBLEM OF THE ORIGIN OF NATURAL BITUMENS AND PYRROLE COMPOUNDS. III. A FEW WORDS CONCERNING A SPECIAL TEST FOR COMPOUNDS OF PYRROLES WITH ALKALI METALS. Preliminary Communication. 2p
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Trans. of Akad[emiya] Nauk SSSR. Inst[itut] Goryuch[ikh] Iskop[aemykh]. Tr[udy] 1939, v. 1, Ser. Genezisa, no. 1, p. 29ff.

Ratner, S. B.
PROPERTIES OF ALUMINUM CONTAINING EXPLOSIVES. [18p] 9refs
Order from SLA $1.60 TT-65-10134

Trans. of Gornyi Zhurnal (USSR) 1947, v. 121, no. 5, p. 21-25.
Another trans. is available from OTS $0.50 as 60-41435, JPRS-4054, 15p.

Rozlovskii, A.I. and Brandt, B.B.
LOI UNIFIEE DE LA LIMITE INFERIEURE DE CONCENTRATION DE PROPAGATION DE LA FLAMME. Org.140-934-663.
Order from CNRS G/R-2748

Trans. in French of Akademiya Nauk SSSR. Doklady 1962, v.145, no.6, p.1331-1334.

Sevastyanova, L. S.
REGENERATION OF SILVER FROM RINSE WATERS BY ION-EXCHANGE RESINS (Regeneratsiya Serebra iz Promyuvnyukh vod Ionoobmennyumi Smolami). 7p 15refs.
Order from TC $7.50 TC-356

Trans. of Tekhnika Kino i Televideniya (USSR) 1962, v. 6, no. 6, p. 59-62.

Wallerius, P. G.
PLASTIC EXPLOSIVE. 9p.
Order from SLA $1.10 TT-65-10682

Trans. of Swedish patent 152,025, cl 78 c, gr 9, filed 20 Jan 49, granted 4 Aug 55, pub. 18 Oct 55.

Analytical Chemistry

THERMOFLUX GAS TRACE ANALYZER FOR OXYGEN (OVER-PRESSURE OPERATION). 14p (3 figs omitted).
Order from SLA $1.60 TT-65-10687

Trans. of mono. (pamphlet) of Hartman & Braun, A.G., Frankfurt/Main, n.d.

Bellen, Zygmunt and Sekowska, Barbara.
DETERMINATION OF FORMALDEHYDE IN THE PRESENCE OF UROTROPIN (Oznaczanie Aldehydu Mrowkowego w Obecnosci Urotropiny)
W. Kulerski, tr. 1964 [5p] 4refs PL-480 Agr.
Order from OTS HC $0.50 TT-61-11370

Trans. of Chemia Analityczna (Poland) 1959, v. 4, no. 1-2, p. 25-28.
A trans. in French is available from OTS, ETC or CNRS $1.10 as TT-62-26554, 7p.

Kovalenko, P. N.
INSTALLATION FOR COMBINED ELECTROCHEMICAL ANALYSIS OF METALS WITH AUTOMATIC CONVERSION TO POLAROGRAPH.
Z. Knowles, tr. 17 May 50, 12p 6refs.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60089

Trans. of Zavodskaya Laboratoriya (USSR) 1949, v. 15, no. 11, p. 1308-1313.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Kuck, J. A., ed.
SIMULTANEOUS RAPID COMBUSTION. Microchemical Research Papers of Mirra Osipovna Korshun; Methods in Microanalysis, Vol. 1
Phyllis L. Bolton and Kurt Gingold, trs. 1964, 560p refs.
Order from GB $27.50

Masuda, T. and Asai, M.
APPLICATION DE LA CHROMATOGRAPHIE. XX(1). DOSAGE DES PREPARATIONS DE COCARBOXYLASE. 8p. (foreign text included). CNRS-VIII bis 239.
Order from ETC or CNRS $1.10 TT-62-28485

Trans. in French of Pharmaceutical Bulletin (Japan) 1954, v.2, no.3, p.287-291.

Minczewski, Jerzy and Mlodecka, Jadwiga.
TITRATION IN NONAQUEOUS MEDIUM.III. DETERMINATION OF GUANIDINE NITRATE IN TECHNICAL PRODUCTS (Miareczkowanie w Srodowisku Niewodnym. III. Oznaczanie Azotanu Guanidyny w Produkcie Technicznym)
W. Kulerski, tr. 1964 [8p] 11refs PL-480 Ag..
Order from OTS HC $0.50 TT-61-31259

Trans. of Chemia Analityczna (Poland) 1957, v. 2, p. 176-182.

Muller, F. H. and Martin, H.
CALORIMETRIC MEASUREMENTS OF THE CRYSTALLIZATION AND MELTING PROCESSES OF POLYMERS. 11p, 17refs.
Order from TC $11.50 TC-296

Trans. of Journal of Polymer Science (U.S.) 1964, v. 60, p. 83-91.

Neubert, G.
THE ANALYSIS OF ORGANIC TIN STABILISERS. Nov 64.
Order from TTIS $15.00 TTIS NS 262

Trans. of Zeitschrift für Analytische Chemie (West Germany) 1964, v. 203, p. 265-272.

Tarasenkov [D. N.] and Skulkova [G. V.].
VAPOR PRESSURE OF $ZnCl_2$, $PbCl_2$ AND $CdCl_2$ IN ATMOSPHERES OF CHLORINE AND NITROGEN [Uprugost' Para $ZnCl_2$, $PbCl_2$ i $CdCl_2$ v Atmosfere Khlora i v Atmosfere Azota]. [4p]
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Partial trans. (p. 1724-1726) of [Zhurnal Obshchei Khimii] (USSR) 1937 [v. 7, no. 12] p. 1721-1728.

Inorganic Chemistry

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Trans. of German patent application F 15,175, cl 12 i, gr 1/01, by Farbenfabriken Bayer A. G., Leverkusen, filed 12 July 54, pub. 29 Dec 55.

MAGNESIUM HYDRIDE OF SUPERIOR REACTIVITY BY SIMPLIFIED PROCESS. 4p.
Order from SLA $1.10 TT-64-30894

Trans. of German patent application F 15,172, cl 12 i, gr 1/01, by Farbenfabriken Bayer A. G., Leverkusen, filed 12 Jul 54, pub. 23 Feb 56.

MANUFACTURE OF POLYPHOSPHATES, NOTABLY SODIUM TRIPOLYPHOSPHATE. 7p 2refs.
Order from SLA $1.10 TT-64-30931

Trans. of German patent application C 2116, by Chemische Fabrik Budenheim A.G., Mainz, filed 8 Sep 50, pub. 20 Dec 51.

OBTENTION OF PURE THORIUM COMPOUNDS. 2p 24refs.
Order from SLA $1.10 TT-65-10049

Trans. of mono. Gmelin's Handbuch der Anorganischen Chemie, 8th ed., Berlin, 1955, v. 44, sect. Thorium and Isotopes, p. 44-46.

PROCESS FOR MANUFACTURING HYDRIDES OF IIA-GROUP METALS. 5p.
Order from SLA $1.10 TT-64-30890

Trans. of German patent application F 15,173, cl 12 i, gr 1/01, by Farbenfabriken Bayer A. G., Leverkusen, filed 12 Jul 54, pub. 23 Feb 56.

PROCESS FOR PREPARING ALUMINUM HYDRIDE SOLUTIONS OR ADDITION COMPOUNDS OF ALUMINUM HYDRIDE AND ALUMINUM HALIDES. 5p 1ref.
Order from SLA $1.10 TT-64-30850

Trans. of German patent application R 9054, Oct 53.

PROCESS FOR PREPARING READILY SOLUBLE LITHIUM ALUMINUM HYDRIDE. 4p.
Order from SLA $1.10 TT-64-30868

Trans. of German patent application M 22,307, cl 12 i gr 1/01, by Metallgesellschaft A. G., Frankfurt, filed 12 Mar 54, pub. 8 Dec 55.

PROCESS FOR PREPARING STABLE SOLUTIONS OF ALUMINUM HYDRIDE. 4p.
Order from SLA $1.10 TT-64-30864

Trans. of German patent application M 22,306, cl 12 i, gr 1/01, by Metallgesellschaft A. G., Frankfurt, filed 12 Mar 54, pub. 11 Aug 55.

PROCESS FOR PRODUCTION OF ALKALINE EARTH BOROHYDRIDES. 4p 1ref.
Order from SLA $1.10 TT-64-30918

Trans. of German patent application M 26,352, cl 12 i, gr 1/01, by Metallgesellschaft A. G., Frankfurt, filed 8 Mar 55, pub. 27 Dec 56.

PROCESS FOR THE PREPARATION OF SULFURYL CHLORIDE. 3p 2refs.
Order from SLA $1.10 TT-65-10607

Trans. of German patent 138,531, by Badische Anilin- & Soda-Fabrik, Ludwigshafen/Rhein, granted 23 May 01.

PROCESS FOR THE PREPARATION OF SULFURYL CHLORIDE FROM SULFUR DIOXIDE AND CHLORINE IN THE PRESENCE OF CARBON. 3p 4refs.
Order from SLA $1.10 TT-65-10606

Trans. of German patent 364,519, by Chemische Fabrik auf Actien, granted 2 Mar 19.

PRODUCTION OF ALUMINUM FLUORIDES. 26p.
Order from SLA $2.60 TT-64-30885

Trans. of mono. (report) of I. G. Farbenindustrie, A.G., Bitterfeld (Germany) n. d.

THE SYSTEM NH_4Cl-NH_3. 4p 16refs.
Order from SLA $1.10 TT-65-10686

Trans. of mono. Gmelin's Handbuch der Anorganischen Chemie, 8th ed. [Berlin] 1957? no. 23, p. 186-187.

LaPietra, Vincenzo.
THE BEHAVIOR OF MERCURY CELLS FOR PRODUCTION OF ALKALI HYDROXIDE AND CHLORINE IN REFERENCE TO THE FORMATION AND BEHAVIOR OF AMALGAMS. 17p.
Order from TC $17.50 TC-321

Trans. of Chimica [nell'Industria, nell'Agricoltura, nella Biologia, nelle Realizzazioni Autarchiche e Corporative] (Italy) 1955, v. 31, p. 234-240.

Lishnevskii, V.A. and Sergeev, G.B.
ADJONCTION RAPIDE DU CHLORE SUIVANT UNE LIAISON DOUBLE AUX BASSES TEMPERATURES.
Org.140-871-463.
Order from CNRS G/R-2744

Trans. in French of Akademiya Nauk SSSR. Doklady, 1959, v.128, no.4, p.767-768.

Machu, Willi.
HYDROGEN PEROXIDE: FORMATION AT HIGH TEMPERATURES. 14p (71 refs omitted).
Order from SLA $1.60 TT-65-10108

Trans. of mono. Wasserstoffperoxyd und die Perverbindungen (Hydrogen Peroxide and Related Compounds) 8th ed., Vienna, 1951, p. 21-30.

Malatesta, Lamberto.
CARBONYL COMPOUNDS OF THE TRANSITION METALS. [18p] 5refs.
Order from CTS (Chem) $16.00 CTS(Chem)-374
subsequent copies $2.65/ea.

Trans. of la Chimica e l'Industria (Italy) 1964, v. 46, no. 8, p. 894-901.

Mularczyk, T.
PRODUCTION DE TRIOXYDE DE MOLYBDENE PAR SUBLIMATION. 15p. 11 refs. CNRS-XVII 707.
Order from ETC or CNRS $1.60 TT-64-26415

Trans. in French of Rudy i Metale Niezelazne (Poland) 1962, v.7, no.9, p.414-418.

Piwonka, R. and Herrmann, P.
PROCESS FOR OBTAINING WATER-INSOLUBLE SULPHIDES. Nov 64.
Order from TTIS $6.00 TTIS NS 277

Trans. of E[ast] German patent 29,304, appl. 3 May 62, pub. 5 Aug 64.

Schmeisser, Martin.
PROCESS FOR PREPARING NITRYL FLUORIDE. 5p 1ref.
Order from SLA $1.10 TT-64-30927

Trans. of German patent application Sch 9697, cl 12 i, gr 30, filed 7 June 52, pub. 21 Jan 54.

Schubert.
INORGANIC DERIVATIVES OF AMMONIA. 32p.
Order from SLA $3.60 TT-64-30903

Trans. of mono. (report) of I. G. Farbenindustrie A. G., Leverkusen (Germany) n. d.

Seailles, Jean-Charles.
PROCEDURE FOR THE USE OF MAGNESIUM FOR A CHEMICAL REACTION IN CLOSED CIRCUIT. 4p.
Order from SLA $1.10 TT-65-10695

Trans. of French patent 972,735, n.d.

Zhukov, I. I.
A RESEARCH IN THE REALM OF METALLIC NITRIDES AND HYDRIDES. [34p] 49refs.
Order from SLA $3.60 TT-64-30816

Trans. of [Akademiya Nauk SSSR. Sektor] Fiziko-Khimicheskogo Analiza, Izvestiya (USSR) 1926, v. 3, p. 14-41, 461-462.

Organic Chemistry

CHLORINATION OF HYDROCARBONS IN THE PRESENCE OF OXYGEN. 6p
Order from TC $6.00 TC-270

Trans. of French patent 1,304,911, 20 Aug 62, by Dynamit Nobel Aktiengesellschaft.
Another trans. is available from TC $6.00 as TC-221, Aug 64, 6p.

COPOLYMERS OF ETHYLENE OXIDE. 17p 2refs.
Order from SLA $1.60 TT-65-10654

Trans. of Belgian patent 557,831, by Union Carbide and Carbon Corp., USA, n.d.

CYANOHYDRINS BY ADDITION OF HCN TO ALDEHYDES, KETONES OR EPOXIDES. 7p 3refs.
Order from SLA $1.10 TT-64-30873

Trans. of German patent application R 9713, cl 12 o, gr 11, by Röhm & Haas G.m.b.H., Darmstadt, filed 19 Aug 52, pub. 1 Mar 56.

HIGHLY WATER-SOLUBLE REACTION PRODUCTS OF ETHYLENE OXIDES WITH POLYMERS OF UNSATURATED ACIDS. 5p 1ref.
Order from SLA $1.10 TT-64-30914

Trans. of German patent application F 12,976, cl 39 c, gr 25/01, by Farbenfabriken Bayer A. G., Leverkusen, filed 7 Oct 53, pub. 27 Sep 56.

HYDROGENATION CATALYSTS FOR PRODUCTION OF HEXAMETHYLENEDIAMINE. 6p 1ref.
Order from SLA $1.10 TT-64-30881

Trans. of German patent application B 24,041, cl 12 q, cl 3, by Badische Anilin- & Soda-Fabrik A. G., Ludwigshafen, filed 30 Jan 53, pub. 8 Mar 56.

IMPROVED CATALYTIC SYNTHESIS OF ACRYLIC ESTERS. 8p 7refs.

Trans. of German patent application B 28,386, cl 12 o, gr 21, by Badische Anilin- & Soda-Fabrik A. G., Ludwigshafen, filed 14 Nov 53, pub. 5 Jan 56.

IMPROVED SYNTHESIS OF DICARBOXYLIC ACIDS. 7p.
Order from SLA $1.10 TT-64-30878

Trans. of German patent application B 23,004, cl 12 o, gr 11, by Badische Anilin- & Soda-Fabrik A. G., Ludwigshafen, filed 19 Nov 52, pub. 8 Mar 56.

IMPROVEMENT OF ETHYLENE POLYMERIZATION WITH ZIEGLER CATALYSTS. 12p 9refs.
Order from SLA $1.60 TT-64-30938

Trans. of Belgian patent 545,376, by Farbwerke Höchst A. G., Frankfurt, 20 Feb 56.

MANUFACTURING PROCESS FOR ADIPONITRILE. 6p 3refs.
Order from SLA $1.10 TT-64-30902

Trans. of German patent application B 245, cl 12 o, gr 11, by Badische Anilin- & Soda-Fabrik A. G., Ludwigshafen, filed 6 Dec 52, pub. 11 Oct 56.

METHOD FOR POLYMERIZING OLEFINS OR MIXTURES CONTAINING OLEFINS. 8p.
Order from SLA $1.10 TT-65-10640

Trans. of German patent application G 16,399, cl IVb, gr 39c, by Gelsenberg Benzin A. G., filed 4 Feb 55.

A METHOD FOR THE PRODUCTION OF EPI-THIO ALKANES. 7p 10refs.
Order from SLA $1.10 TT-65-10644

Trans. of Netherlands patent 47,835, cl 12, gr p. 23, by N. V. De Bataafsche Petroleum Maatschappij, filed 16 Jan 40, granted 15 Feb 40.
(appl. no. 86,487, filed 16 Feb 38, pub. 15 Sep 39).

METHOD FOR THE PRODUCTION OF UNSATURATED HALOGEN CONTAINING HYDROCARBONS FROM OLEFINS. 7p.
Order from SLA $1.10 TT-65-10630

Trans. of German patent 736,315, cl 12 o, gr 19 02, by N. V. de Bataafsche Petroleum Maatschappij, The Hague, Netherlands, granted 6 May 43, pub. 11 Jun 43, in force 21 Aug 36, appl. N 39,781 IVd/12 o (Priority: US, 21 Aug 35).

METHOD FOR THE STABILIZATION OF TRIETHYLENEIMINO PHOSPHINE OXIDE (APO). 4p.
Order from SLA $1.10 TT-65-10599

Trans. of German patent 953,078, filed 29 Nov 56.

NEW CATALYST FOR THE REPPE SYNTHESIS OF ACRYLIC ACID. 8p 2refs.
Order from SLA $1.10 TT-64-30882

Trans. of German patent application B 31,855, cl 12 o, gr 21, by Badische Anilin- & Soda-Fabrik A. G., Ludwigshafen, filed 16 Jul 54, pub. 29 Mar 56.

POLYMERIZATION OF OLEFINS IN THE ABSENCE OF LIQUID. 8p 1ref.
Order from SLA $1.10 TT-64-30863

Trans. of Belgian patent 544,471, by Gelsenberg Benzin A. G., Gelsenkirchen, Germany, filed 17 Jan 56.
Another trans. is available from OTS, SLA or ETC $1.10 as TT-64-16450 [7p].

PROCESS FOR CLEAVAGE OF CROTONALDEHYDE ACETALS AND 1, 1,3 - Trialkoxybutanes. 14p 7refs.
Order from SLA $1.60 TT-65-10675

Trans. of German patent application C 4,548, cl 12o, gr 19/03, by Consortium für Elektochemische Industrie G. m. b. H., filed 30 Jul 51, pub. 18 Jun 53.

PROCESS FOR MANUFACTURE OF HALOGENATED HYDROCARBONS. 3p.
Order from TC $3.50 TC-361

Trans. of French patent 1,359,016, 9 Mar 64, by Imperial Chemical Industries, Ltd.

PROCESS FOR MANUFACTURING BENZENE-CARBOXYLIC ACIDS WITH MORE THAN TWO CARBOXYL GROUPS. 9p.
Order from SLA $1.10 TT-64-30880

Trans. of German patent application B 30,527, by Bergwerksverband zur Verwertung von Schutzrechten der Kohlentechnik G. m. b. H., Dortmund-Eving, filed 8 Apr 54, pub. 2 Feb 56.

PROCESS FOR MANUFACTURING HALOFLUORO-ETHYLENES. 3p.
Order from SLA $1.10 TT-65-10662

Trans. of German patent application W 7258, cl 12 o, gr 19/02, by Alexander Wacker Gesellschaft für Elektrochemische Industrie G. m. b. H., filed 20 Nov 51, pub. 23 Oct 52.

PROCESS FOR MANUFACTURING TEREPHTHALIC ACID FROM P-XYLYLENE DICHLORIDE. 5p.
Order from SLA $1.10 TT-64-30895

Trans. of German patent application V 4275, cl 12 o, gr 14, by Vereinigte Glanzstoff-Fabriken A. G., Wuppertal-Elberfeld, filed 30 Jan 52, pub. 27 Jan 55.

PROCESS FOR MANUFACTURING TEREPHTHALIC ACID, ITS SALTS OR DERIVATIVES FROM POTASSIUM BENZOATE. 8p.
Order from SLA $1.10 TT-65-10672

Trans. of German patent application H 14,666, cl 12o, gr 14, by Henkel & Cie G. m. b. H., Dusseldorf-Holthausen, filed 5 Dec 52, pub. 2 Feb 56.

POLYMERS BASED ON ETHYLENE OXIDE. 18p 1ref.
Order from SLA $1.10 TT-65-10655

Trans. of Belgian patent 557,830, by Union Carbide and Carbon Corp., USA, n. d.

PREPARATION OF COMPLEX AMINE-CONTAINING IRON CARBONYL HYDRIDES. 6p 1ref.
Order from SLA $1.10 TT-64-30877

Trans. of German patent application B 23,526, cl 12 q, gr 1/01, by Badische Anilin- & Soda-Fabrik A. G., Ludwigshafen, filed 24 Dec 52, pub. 8 Mar 56.

PROCEDURE FOR PREPARING CONDENSATION PRODUCTS FROM FORMALDEHYDE. (Procede de preparation de produits de condensation du formaldehyde.) 12p.
Order from SLA $1.60 TT-65-10649

Trans. of French patent 835,834, cl 8, gr 14, by Deutsche Gold- und Silberscheidensstalt, filed 28 Mar 38.

PROCEDURE FOR THE PREPARATION OF A HETEROCYCLIC CARBAMIC ACID DERIVATIVE. 6p.
Order from SLA $1.10 TT-65-10713

Trans. of Swiss patent 279,553, by J. R. Geigy A.G., Basel, Switzerland, n.d.

PROCEDURE FOR THE PRODUCTION OF ALKYLENIMINES. 4p.
Order from SLA $1.10 TT-65-10616

Trans. of German patent 665,790, n. d.

PROCEDURE FOR THE PRODUCTION OF ETHYL ACRYLATES. 8p 1ref.
Order from SLA $1.10 TT-65-10600

Trans. of German patent 1,064,503, granted 9 Mar 59.

PROCEDURE FOR THE PRODUCTION OF 1, 2-MINOCYCLOHEXANES. 8p 2refs.
Order from SLA $1.10 TT-65-10618

Trans. of German patent 812,314, by Schlapfer & Margot, granted 27 Aug 51.

PROCESS FOR PREPARATION OF ISOCYANATES BEARING SULFOCHLORIDE GROUPS (I). 7p.
Order from SLA $1.10 TT-64-30907

Trans. of German patent application F 10,974, cl 12 o, gr 22, by Farbenfabriken Bayer A. G., Leverkusen, filed 30 Jan 53, pub. 16 Feb 56.

PROCESS FOR PREPARING ACRYLIC ACID AND ITS FUNCTIONAL DERIVATIVES. 7p 1ref.
Order from SLA $1.10 TT-64-30860

Trans. of German patent application B 15, 286, by Badische Anilin-& Soda-Fabrik, Ludwigshafen, filed 5 Jun 51, pub. 15 Jan 53.

PROCESS FOR PREPARING AMINES. 6p 1ref.
Order from SLA $1.10 TT-65-10706

Trans. of German patent application B 20, 158, cl 12q, gr 5, by Badische Anilin- & Soda-Fabrik A. G., Ludwigshafen, filed 25 Apr 52, pub. 23 Sep 54.

PROCESS FOR PREPARING DICARBOXYLIC ACIDS OF ETHYLCYCLOHEXANE FROM BUTADIENE. 18p 4refs.
Order from SLA $1.60 TT-64-30879

Trans. of German patent application R 14, 900, cl 12 o, gr 25, by Ruhrchemie A. G., Oberhausen-Holten, filed 21 Aug 54, pub. 29 Mar 56.

PROCESS FOR PREPARING ETHANE SULFOFLUORIDES FLUORINATED IN β-POSITION. 4p 3refs.
Order from SLA $1.10 TT-64-30852

Trans. of German patent application F 9524, cl 12 o, gr 23/03, by Farbwerke Höchst A. G., Frankfurt-Höchst, filed 1 Aug 52, pub. 26 May 55.
Another trans. is available from SLA $1.10 as TT-64-20999 [4p].

PROCESS FOR PREPARING ISOCYANATES AND REACTION PRODUCTS THEREOF. 12p 5refs.
Order from SLA $1.60 TT-64-30891

Trans. of German patent application I 71, 744 IVa/12 o, by I. G. Farbenindustrie A. G., Leverkusen, filed 2 Mar 42.

PROCESS FOR PREPARING SEVEN-MEMBERED HETEROCYCLES OF THE CAPROLACTAM AND HEXAMETHYLENEE IMINE TYPE AND OPEN-CHAIN NITROGEN COMPOUNDS. 6p.
Order from SLA $1.10 TT-65-10669

Trans. of German patent application B 7, 567, cl 12p, gr 5, by Badische Anilin- & Soda - Fabrik A. G. Ludwigshafen, appl 7 Nov 41, pub. 24 Dec 53 (addition to German patent 765, 203).

PROCESS FOR PREPARING STABLE AQUEOUS DISPERSIONS OF N, N-ALKYLENE UREA COMPOUNDS. 5p 1ref.
Order from SLA $1.10 TT-64-30908

Trans. of German patent application F 13, 053, cl 8k, gr 3, by Farbwerke Höchst A. G., Frankfurt-Höchst, filed 20 Oct 53, pub. 19 Jan 56.

PROCESS FOR PRODUCING ACETHYLENE HYDROCARBONS. 5p.
Order from SLA $1.10 TT-64-30916

Trans. of German patent application B 196, 683, by Bayerische Stickstoff-Werke A. G., Berlin-Schöneberg, n.d.

PROCESS FOR PRODUCING ALCOHOLS. 8p.
Order from SLA $1.10 TT-65-10668

Trans. of German patent application B 24, 574, cl 12o, gr 5/02, by Badische Anilin - & Soda Fabrik A. G., Ludwigshafen, filed 4 Mar 53.

PROCESS FOR PRODUCING AROMATIC CARBOXYLIC ACIDS. 6p 3refs.
Order from SLA $1.10 TT-64-30859

Trans. of German patent application F 8882, cl 12 o, gr 14, by Farbenfabriken Bayer A. G., Leverkusen, filed 24 Apr 52, pub. 19 July 56.

PROCESS FOR PRODUCING AROMATIC HYDROXY-CARBOXYLIC ACIDS. 7p 2refs
Order from SLA $1.10 TT-64-30858

Trans. of German patent application F 14, 557, cl 12 q, gr 29/01, by Farbenfabriken Bayer A. G., Leverkusen, filed 26 Apr 54, pub. 5 Jul 56.

PROCESS FOR PRODUCING β-BUTYROLACTONE BY CATALYTIC HYDROGENATION OF DIKETONE. 6p.
Order from SLA $1.10 TT-64-30898

Trans. of German patent application W 1016, cl 12 o, gr 11, by Wacker-Chemie G.m.b.H., Munich, filed 6 Dec 52, pub. 9 Aug 56.

PROCESS FOR PRODUCING OXYGENATED COMPOUNDS, PARTICULARLY KETONES AND CARBOXYLIC ACIDS. 7p 1ref.
Order from SLA $1.10 TT-64-30897

Trans. of German patent application R 13, 473, cl 12 o, gr 10, by Ruhrchemie A. G., Oberhausen-Holten, filed 30 Jan 54, pub. 23 Jun 55.

PROCESS FOR PRODUCING STORAGEABLE PREPARATIONS OF N, N-ALKYLENEUREA COMPOUNDS. 4p 1ref.
Order from SLA $1.10 TT-65-10598

Trans. of German patent 964, 316, filed 23 May 57.

PROCESS FOR PURIFICATION OF TEREPHTHALIC ACID. 4p.
Order from SLA $1.10 TT-64-30876

Trans. of German patent application F 12,992, cl 12 o gr 14, by Farbwerke Höchst, A. G., filed 9 Oct 53, pub. 26 Jan 56.

PROCESS FOR SYNTHESIS OF ALCOHOLS AND THEIR ESTERS. 7p 4refs.
Order from SLA $1.10 TT-65-10666

Trans. of German patent application B 20,371, cl 12o, gr 5/02, by Badische Anilin - & Soda - Fabrik A. G., Ludwigshafen, appl. 10 May 52, pub. 26 May 54.

PROCESS FOR THE MANUFACTURE OF PERCHLOROETHYLENE. 4p.
Order from SLA $1.10 TT-65-10580

Trans. of Belgian patent 442,575, by Donau Chemie A. G., Vienna, filed 28 Aug 41, granted 30 Sep 41 (Priority: Germany, appl. D 83,082 IVd/12 o, 6 Aug 40).

PROCESS FOR THE MANUFACTURE OF TRIMETHYL PHOSPHATE. 13p
Order from TC $13.00 TC-271

Trans. of French patent 1,336,379, 22 Jul 63, by Ethyl Corp.
Another trans. is available from TC $13.00 as TC-156, Aug 64, 13p.

PROCESS FOR THE PRODUCTION OF PERCHLOROETHYLENE, OR AS THE CASE MAY BE IN MIXTURE WITH TETRACHLOROMETHANE. 4p.
Order from SLA $1.10 TT-65-10582

Trans. of Belgian patent 447,044, by Donau Chemie A. G., Vienna, filed 4 Sep 42, granted 31 Oct 42 (Priority: Germany, appl. D 85,928 IVd/12 o, 15 Sep 41).

A PROCESS FOR THE PRODUCTION OF 6-BROMO-2-CHLORO-4-NITROANILINE. Nov 64.
Order from TTIS $4.00 TTIS NS 272

Trans. of Polish patent 48,280, appl. 22 Jan 63, pub. 15 May 64, by Zaklady Przemyslu Barwnikow "Boruta".

PRODUCTION OF CARBOXYLIC ACIDS FROM OLEFINS BRANCHED ON THE DOUBLE BOND AND CARBON MONOXIDE. 14p 1ref.
Order from SLA $1.60 TT-64-30874

Trans. of German patent application St 8190, cl 12 o, gr 11, by Studien-und Verwertungs- G.m.b.H., Mülheim, filed 5 May 54, pub. 9 Feb 56.

PRODUCTION OF DIFLUOROTRICHLOROETHANE. 4p.
Order from SLA $1.10 TT-64-30857

Trans. of German patent application W 7659, cl 12 o, gr 2/01, by Wacker-Chemie G.m.b.H., Munich, filed 15 Jan 52, pub. 17 Feb 55.

PRODUCTION OF ORGANIC GLASS. Nov 64.
Order from TTIS $7.20 TTIS NS 266

Trans. of Polish patent 47,680, appl. 16 Jun 62, pub. 23 Dec 63, by Zaklady Chemiczne "Oswiecim".

PRODUCTION OF UNSATURATED ETHERS BY CATALYTIC DECOMPOSITION OF ACETALS. 8p.
Order from SLA $1.10 TT-64-30865

Trans. of German patent application R 9640, cl 12 o, gr 19/03, by Ruhrchemie A. G., Oberhausen-Holten, filed 6 Aug 52, pub. 21 Jun 56.

Agatova, A.I., Vartanyan, L.S., and Emanuel', N.M.
MECANISME DE L'INTERACTION ENTRE LES RADICAUX LIBRES FORMES PAR LES INHIBITEURS DES PROCESSUS RADICAUX ET LES GROUPES SH DES PROTEINES. Org.140-960-763.
Order from CNRS G/R-2753

Trans. in French of Akademiya Nauk SSSR. Doklady, 1963, v.150, no.3, p.547-550.
Other translations are available in English from ATS $6.75 as ATS-53Q71R, 4p and from OTS $0.50 in TT-63-41207, JPRS-21992 (p. 1-6) 21 Nov 63, 6p.

Almasi, L., Hantz, A., and Paskucz, L.
CONTRIBUTIONS A LA SYNTHESE DES THIOPHENOLS. 5p. CNRS-VIII 209.
Order from ETC or CNRS $1.10 TT-63-27937

Trans. in French of Academia Republicii Populare Romine. Filiala Cluj. Studii si Cercetari de Chimie (Rumania) 1961, v.12, no.1, p.165-167.

Avramenko, L.I. and Lorentso, R.V.
REACTIONS DE L'HYDROXYDE LIBRE AVEC LES HYDROCARBURES. Org.55
Order from CNRS G/R-2707

Trans. in French of Akademiya Nauk SSSR. Doklady, 1949, v.67, no.5, p.867-869.
Another trans. is available in English from NRC as NRC-TT-117.

Bestian and Schumacher.
PROCEDURE FOR THE PRODUCTION OF ETHYLENIMINE AND ITS METHYL DERIVATIVES. 4p.
Available on loan from SLA TT-65-10617

Trans. of German patent 832,152, n.d.

Cevidalli, G. B., Pirani, R., and Zanetti, F.
PROCESS FOR CHLORINATING METHANE AND MIXTURES OF METHANE AND CHLOROMETHANES AND DEVICE FOR CARRYING THIS PROCESS. 5p (2 figs omitted).
Order from SLA $1.10 TT-65-10681

Trans. of Italian patent 469,574, cl XXIV, by Montecatini, Societȧ Génerale per l'industria Mineraria e Chimica, Milan, filed 22 Jul 50, granted 6 Mar 52.
Another trans. is available from OTS, SLA or ETC $1.10 as TT-64-16161 [6p].

Chmutova, M. K., Petruchin, O. M., and Zolotov, Yu. A.
EXTRAKTION VON METALLORGANISCHEN VERBINDUNGEN DES PLUTONIUMS UND ANDERER ELEMENTE MITTELS N-BENZOYLPHENYLHYDROXYLAMIN (Extraction of Metallorganic Compounds of Plutonium and Other Elements with N-Benzoylphenylhydroxylamine). [17p] 20refs.
Order from OTS or ETC HC $1.00 KFK-tr-137

Trans. in German of #Zhurnal Analiticheskoi Khimii (USSR) 1963, v. 18, no. 5, p. 588-595.

Ciborowski, Stanislaw.
STUDIES ON THE STATICS OF THE REACTION OF ACETONE HYDROGENATION TO ISOPROPYL ALCOHOL (Badania nad Statyka Reakcji Uwodorniania Acetonu do Alkoholu Izopropylowego). 1964 [15p] 5refs PL-480 Agr.
Order from OTS HC $0.50 TT-61-11374

Trans. of Roczniki Chemii (Poland) 1959, v. 33, no. 1, p. 133-144.

Couturier, Paul
CATALYTIC REDUCTION OF ARYLALIPHATIC KETONES IN THE PRESENCE OF AMINES (REMARK IN CONNECTION WITH A SYNTHESIS OF EPHEDRINE 3p.
Order from SLA $1.10 TT-64-20276

Trans. of Acad[emie des] Sci[ences] Par[is]. C[omptes] R[endus] (France) 1938, v. 207, p. 345-347 (pub. by Gauthier-Villars et Cie., Paris).

Dadak, V., Seitl, J., and Smejkal, K.
ISOLEMENT ET IDENTIFICATION DES PRODUITS SECONDAIRES ACIDES, LORS DE LA NITRATION DU TOLUENE. Org.51.
Order from CNRS G/X-957

Trans. in French of Chemicky Prumysl (Czechoslovakia) 1962, v.12(37), no.2, p.69-73.
Another trans. in French is available from OTS, ETCor CNRS $1.60 as TT-63-26628, CNRS-VI 885, 12p.

Dahmlos, Johannes.
METHOD FOR THE PREPARATION OF CHLOROFLUORODERIVATIVES OF ALIPHATIC HYDROCARBONS (Verfahren zur Herstellung von Chlorfluorderivaten Aliphatischer Kohlen Wasserstoffe). 9p (foreign text included).
Order from SLA $1.10 TT-65-10595

Trans. of German patent 1,061,308, cl 12 o, gr 2/01, Internat. cl C 07 c, by Wasag-Chemie, A. G., Essen, pub. 16 Jul 59, appl. W 19,504 IV b/12 o, 28 Jul 56.

Diery, Helmut, and Heyna, Johannes.
PREPARATION OF ETHYLENEIMINE COMPOUNDS (Verfahren zur Herstellung von Äthyleniminverbindungen). 7p (foreign text included).
Order from SLA $1.10 TT-65-10615

Trans. of German patent 1,048,583, cl 12p, by Farbwerke Höchst, A. G. Frankfurt/Main, pub. 15 Jan 59, appl. F 13,878 IVb/12p, 10 Feb 54.

Ernst, Paul.
PROCEDURE FOR THE PREPARATION OF THE ETHERS OF CHLOROHYDRINS. 4p 5refs.
Order from SLA $1.10 TT-65-10608

Trans. of German patent 537,696, by Dr. Alexander Wacker Co. for Electrochemical Industry G. m. b. H., granted 5 Nov 31.

Flickinger, Erich, and Trieschmann, Hans-Georg.
PROCESS FOR THE PREPARATION OF CHLORINATED HYDROCARBONS OF THE ACETYLENE SERIES. 4p.
Order from SLA $1.10 TT-65-10645

Trans. of German patent 821,207, by Badische Anilin- & Soda-Fabrik A. G., Ludwigshafen/Rhein, granted 15 Nov 51.

Guyer, A.
BENZENE FOR ETHYLENE. REPT. 2. REACTION OF ETHYLENE OVER ACTIVATED COKE: NORMAL PRESSURE EXPERIMENTS WITH PURE ETHYLENE OVER ACTIVATED COKE. 17p (9 figs omitted).
Order from SLA $1.60 TT-65-10698

Trans. of unidentified German language article, n. d.

Haussmann, Hans.
PROCESS FOR THE PREPARATION OF ARYL ETHER CARBOXYLIC ACIDS AND THEIR SALTS. 9p.
Order from SLA $1.10 TT-65-10646

Trans. of German patent 741,687, by I. G. Farbenindustrie A. G., Frankfurt/Main, n. d.

Isagulyants, V. I. and Tishkova, V. N.
METHOD OF ALKYLATING PHENOLS (Sposob Alkilirovaniya Fenolov). 5p (foreign text included).
Order from SLA $1.10 TT-65-10574

Trans. of Russian patent 110,953, cl 12 g, gr 16, appl. no. 582,034, 14 Aug 57.

Jolibois, Piere.
ON THE FORMULA OF THE ORGANO-MAGNESIUM COMPOUND (GRIGNARD) AND MAGNESIUM HYDRIDE. 3p (4 refs omitted).
Available on loan from SLA TT-65-10717

Trans. of Academie des Sciences, Paris. Comptes Rendus (France) 1912, v. 155, no. 5, p. 353-355 (pub. by Gauthier-Villars et Cie., Paris).
Another trans. is available from SLA $1.10 as TT-63-14283, 3p.

Kanevskaya, S. I. and Mitryagina, S. F.
INVESTIGATIONS IN THE FIELD OF THEBAINE. II. STUDY OF THE PRODUCT OF CONDENSING THEBAINE WITH ACROLEINE.
R. Roberts, tr. 5 May 48, 4p.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60070

Partial trans. of Zhurnal Obshchei Khimii (USSR) 1947, v. 17, p. 1203-1207.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Lebeau, P., Damiens, A.
CONCERNING CARBON TETRAFLUORIDE. 5p.
Order from SLA $1.10 TT-64-20461

Trans. of [Academie des Sciences, Paris]. Comptes Rendus (France) 1926, v. 182, p. 1340-1342 (pub. by Gauthier-Villars et Cie., Paris).

Losev, I. P. and Zhivukhin, S. M.
COPOLYMERIZATION OF VINYL CHLORIDE WITH UNSATURATED ETHERS. [4p].
Order from SLA $1.10 TT-65-10146

Trans. of mono. Konferentsiya Vysokomolekulyarnym Soedineniyam]. (Conference on High-Molecular Compounds Proceedings) 1943. Trudy, v. 1, 1945, p. 23-24

Moosbrugger, Max and Fischer, Max.
PROCEDURE FOR THE PRODUCTION OF ETHYLENE-TELOMERISATES (Verfahren zur Herstellung von Athylentelomerisaten). 9p (foreign text included).
Order from SLA $1.10 TT-65-10593

Trans. of German patent 1,027,649, cl 12 c, gr 2/01, Internat. cl C07 C, by Badische Anilin- & Soda Fabrik, A. G., Ludwigshafen, pub. 10 Apr 58, appl. B 36,112 IVb/12c, 14 Jun 55.

Morcillo, J. and Orza, J. M.
FUNDAMENTAL VIBRATIONS OF PYRROLE AND DEUTERATED DERIVATIVES. 12p. 9refs.
Order from TC $12.50 TC-359

Trans. of Sociedad [Española] de Fisica y Quimica. Anales, 1960, v. 56B, p. 253-262.

Morgenstern, Gert.
REMOVAL OF IRON FROM ALUMINUM SALTS BY MEANS OF SODIUM DIETHYLDITHIOCARBAMATE. 9p 3refs.
Order from SLA $1.10 TT-64-30888

Trans. of mono. (report) of I. G. Farbenindustrie, A.G., Ludwigshafen (Germany) n. d.

Mouneyrat, A.
THE ACTION OF ALUMINUM CHLORIDE ON ACETYLENE TETRACHLORIDE (Action du Chlorure d'Aluminium sur le Tetrachlorure d'Acetylene). 5p (foreign text included).
Order from SLA $1.10 TT-65-10691

Trans. of article from an unidentified French journal, p. 499-500, n. d.

Olsen, Sigurd.
PROCEDURE FOR THE PREPARATION OF PENTAGLYCERIN AND TRIMETHYLENEGLYCOL AND THEIR ESTERS, PLUS FOR THE PREPARATION OF ALLYL ALCOHOL AND ALLYL ESTERS OR GLYCERIN. 6p (all formulae omitted).
Order from SLA $1.10 TT-65-10648

Trans. of Norwegian patent 74,890, patented 8 Aug 46, pub. 11 Apr 49.

Orza, J. M. and Sarompas, M. Rico.
INFRARED SPECTRA OF THIOPHENE AND DEUTERATED DERIVATIVES. 20p 12refs.
Order from TC $20.50 TC-360

Trans. of Sociedad [Española] de Fisica y Quimica. Anales, 1962, v. 58B, p. 295-314.

Racine, Jean.
THE ACTION OF METAHANE ON CALCIUM. [11p] 5refs.
Order from SLA $1.60 TT-65-10002

Trans. of Société Chimique de France. Bulletin, 1951, p. 854-857.

Reppe, Walter and others.
NEW CATALYSTS FOR PRODUCTION OF OXYGENATED ORGANIC COMPOUNDS. 10p.
Order from SLA $1.10 TT-64-30922

Trans. of German patent application B 20,761, cl 12 o, gr 11, by Badische Anilin- & Soda-Fabrik A. G., Ludwigshafen, filed 11 Jun 52, pub. 26 May 54.

Rommel, Otto.
PROCESS FOR PRODUCTION OF SULFAMIDE. 1p.
Order from TC $1.00 TC-259

Trans. of German patent 832,882, 31 Jan 62, by Badische Anilin- & Soda-Fabrik.

Scherer, Otto, Kühn, Heinrich, Otten, Gerhard, and Martens, Heinrich.
PROCESS FOR THE PRODUCTION OF ETHYLENIMINE. 6p 2refs.
Order from SLA $1.10 TT-65-10622

Trans. of German patent 1,077,217, cl 12p, gr. 5, internat. cl C 07 d, by Farbwerke Höchst A. G., Frankfurt/Main, filed 8 Feb 57, granted and pub. 10 Mar 60, appl. F 22,303, IVb/12p.

Schulz and Jutz.
CATALYTICAL HYDROGENATION OF 1,4-BUTYNEDIOL TO 1,4-BUTANE-DIOL (Die Katalytische Hydrierung von 1,4-Butindiol zu 1,4-Butandiol). 7p.
Order from SLA $1.10 TT-65-10715

Trans. of unidentified German report, 27 Apr 39 (PB-76,447, Frames 1505-1512).

Schultze, Georg R.
PROCESS FOR MANUFACTURING CHLORINATED AND FLUORINATED DIMETHYL SULFIDES. 7p 12refs.
Order from SLA $1.10 TT-64-30872

Trans. of German patent application Sch 11,832, cl 12 o, gr 23/03, filed 24 Feb 53, pub. 17 Feb 55.

Schuster, Curt, and Seib, Alois.
PROCESS FOR THE PREPARATION OF N-SUBSTITUTED α-PYRROLIDONES. 4p 1ref.
Order from SLA $1.10 TT-65-10647

Trans. of German patent 694,043, by I. G. Farbenindustrie A. G., Frankfurt/Main, n.d.

Schwarzenback, G., Lutz, K., and Felder, E.
THE ABSORPTION SPECTRA OF THE MOST SIMPLE "DYES". 10p.
Order from TC $10.50 TC-338

Trans. of Helvetica Chimica Acta (Switzerland) 1944, v. 27, p. 576-584.

Stamberg, J.
CHEMICAL REACTIONS OF POLYMERS. II. ANIMATION OF EPICHLORHYDRIN POLYMERS. 10p 4refs.
Order from TC $10.50 TC-297

Trans. of [Sbornik Chekhoslovatskykh Khimicheskykh Rabot] 1964, v. 29, p. 478-484.

Starck, Werner.
PROCESS FOR THE PREPARATION OF POLYMERS OR MIXED POLYMERS OF VINYL ESTERS. 7p.
Order from SLA $1.10 TT-65-10651

Trans. of German patent 88,007, by Farbwerke Höchst, Frankfurt/M.-Höchst, patented 10 Nov 50.

Strukov, I. T.
A METHOD OF SYNTHESIS OF ACID CHLORIDES OF ALIPHATIC AND AROMATIC CARBOXYLIC ACIDS. 3p.
Order from SLA $1.10 TT-65-10625

Trans. of Russian patent 128,585, n.d.

Sulaimankulov, K.
REACTION OF UREA WITH MINERAL SALTS. 8p (3 figs omitted) 34refs.
Order from SLA $1.10 TT-65-10039

Trans. of mono. Trudy Molodykh Nauch[nykh] Rabot[nikiv] Frunze, 1958, p. 81-87.
Another trans. is available from ATS $12.80 as ATS-89N55R, [7p]

Urushibara, Y., Nishimura, S. and Uehara, H.
UNE NOUVELLE PRÉPARATION DE NICKEL CATALYTIQUE (A New Preparation of Catalytic Nickel). 4p. 3refs. CNRS-VIII bis 341.
Order from ETC or CNRS $1.10 TT-62-26618

Trans. in French of Chemical Society of Japan. Bulletin, 1955, v.28, no.6, p.446.

DESCRIPTORS: *Nickel, *Catalysts, Preparation, Nickel compounds, Chlorides, Zinc, Alkali metal compounds, Hydroxides.

Vollmann.
PENTACHLOROBENZOIC ACID, PENTACHLOROBENZENE, PENTACHLORONITROBENZENE AND PENTACHLOROANILINE. 11p.
Order from SLA $1.60 TT-65-10704

Trans. of mono. (report) of I. G. Farbenindustrie A.G., Urdingen (Germany) n.d.

Wittig, Georg.
COMPLEX FORMATION AND REACTIVITY IN METALLOORGANIC CHEMISTRY. [Paper presented at] the International Congress of Applied Chemistry, Jul 57, 15p 45refs.
Order from SLA $1.60 TT-64-18801

Trans. of Experientia. Supplementum (Switzerland) 1957, v. 7, p. 291-305.

Ziegler, Karl.
NEW METHYLENE COMPOUNDS OF LITHIUM AND MAGNESIUM. 5p.
Order from SLA $1.10 TT-64-30866

Trans. of German patent application Z 4846, cl 12 o, gr 26/03, filed 6 Apr 55, pub. 23 Aug 56.
Another trans. is available from RIS $12.75 as RIS-96595.

Ziegler, Karl.
PROCESS FOR PREPARING ALUMINUM-ORGANIC COMPOUNDS. 23p.
Order from SLA $2.60 TT-64-30887

Trans. of German patent application Z 2679, cl 12 o, gr 03, filed 13 May 52, pub. 11 Mar 54.
Other trans. are available from OTS, SLA or ETC $1.60 as TT-64-14904 and from RIS $25.00 as RIS-96254 [23p].

Ziegler, Karl.
PROCESS FOR PRODUCTION OF OLEFINS FROM ETHYLENE. 12p 3refs.
Order from SLA $1.60 TT-64-30847

Trans. of Italian patent 521,521, filed 25 Mar 54, granted 25 Mar 55.
Another trans. is available from RIS $21.00 as RIS-96481.

Ziegler, Karl.
PROCESS FOR PRODUCTION OF TRIALKYLALUMINUMS AND ALKYLALUMINUM HYDRIDES.
31p 1ref.
Order from SLA $3.60 TT-64-30886

Trans. of Belgian patent 535, 235, granted 27 Jan 55 (Priority: Germany, appl. Z 3966, 1 Feb 54, and Z 4190, Z 4191 and Z 4192, 8 May 54).
Another trans. is available from RIS $34.00 as RIS-96373 [31p].

Physical Chemistry

ELECTRODE WITH HIGH ANODIC TRANSFER RESISTANCE
J. C. L., tr. 28 Oct 64, 4p.
Order from OTS or ETC HC $1.00, MF $0.50 TT-64-23597

Trans. of Swiss patent 236, 579, cl. 36 h, appl. 17 Mar 43, registered 28 Feb 45, pub. 16 Jun 45, by Deutsche Gold-und Silber-Scheideanstalt Vormals Rössler (priority: claimed 20 Mar 42, Germany).

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HOT WIRE METHOD HEAT CAPACITY DETERMINATION OF ORGANIC VAPORS. I. HEAT CAPACITIES AND ACCOMMODATION COEFFICIENTS OF CO_2, CCl_4, $CHBr_3$, $SiCl_4$, $CHCl_3$ AND CH_2Br_2. 2p (1 fig 2 tables omitted).
Available on loan from SLA TT-64-20418

Trans. of unidentified publication, n. p., n. d.

PROCEDURE AND APPARATUS FOR THE FUSED SALT BATH ELECTROLYSIS. 5p (1 fig omitted).
Order from SLA $1.10 TT-65-10531

Trans. of Belgian patent 578, 670, by Solvay et Cie, Brussels, filed 13 May 59.

PROCEDURE FOR CHLORALKALI ELECTROLYSIS (Verfahren zur Chloralkali-Elektrolyse). 8p (foreign text included).
Order from SLA $1.10 TT-65-10597

Trans. of Austrian patent 205, 985, cl 12k, gr 1/01, by Siemens & Halske G. m. b. H., granted 15 Feb 59, pub. 26 Oct 59, appl. A2249/57, 5 Apr 57.

Brusentsova [V.N.] and Pletnev [D.V.]
NICKELAGE CHIMIQUE DANS LES SOLUTIONS D'ACIDE OXALIQUE. Org. 28-63.10181.
Order from CNRS G/R-2644

Trans. in French of #Priborostroenie (USSR) 1963, no.8, p.21-23.

Chovnyk, N. G.
POLAROGRAPHIC INVESTIGATION OF SOME MOLTEN SYSTEMS OF THE KAINITE TYPE. [1964] 12p (5 figs 1 table omitted) 13refs
Order from OTS, SLA, or ETC $1.60 TT-64-16117

Trans. of Sbornik Statei po Obshchei Khimii (USSR) 1953, v. 1, p. 179-185.
Another trans. is available from K-H $15.00 as K-H-3737-d (12p).

Davtyan, O.K.
QUELQUES ASPECTS DE L'ETAT ACTUEL DU PROBLEME DES PILES A COMBUSTIBLE.
Org.144-N.2257/T.235.
Order from CNRS G/R-2760

Trans. in French of # Zhurnal Fizicheskoi Khimii (USSR) 1963, v.37, no.9, p.1949-1957
Another trans. is available in English from OTS $0.50 as TT-63-41299, JPRS-22148, 5 Dec 63, 12p.

Ginzburg, D.M.
CARACTERISTIQUES THERMODYNAMIQUES DE SOUDE CAUSTIQUE, CARBONATE DE SODIUM, SULFATE DE SODIUM, AUX TEMPERATURES ELEVEES. Org.55.
Order from CNRS G/R-2708

Trans. in French of # Zhurnal Obshchei Khimii (USSR) 1956, v.26, p.968-970.

Ivanov, K. I.
INVESTIGATION OF ORGANIC PEROXIDES FORMED BY OXIDIZING DECOMPOSITION OF SATURATED HYDROCARBONS. 14p 11refs.
Order from SLA $1.60 TT-61-18089

Trans. of [Problemy Kinetiki i Kataliza] (USSR) 1940, v. 4, p. 143-166.

Keier, N.P., Troitskaya, M.G., and Rukhadze, E.G.
ACTIVITE CATALYTIQUE DES POLYMERES ORGANIQUES. IV. ACTIVITE CATALYTIQUE DES POLYMERES CHELATES DANS LA REACTION DE DECOMPOSITION DE L'EAU OXYGENEE. Org.140-878-463.
Order from CNRS G/R-2745

Trans. in French of #Kinetika i Kataliz (USSR) 1962, v.3, no.5, p.691-697.

Kircher, Morton Sumner.
PROCEDURE AND APPARATUS FOR ELECTROLYTIC DECOMPOSITION (Procéde et Dispositif de Décomposition Electrolytique). 65p (11 figs omitted).
Order from SLA $6.60 TT-65-10591

Trans. of French patent 1, 062, 041, by Hooker Electrochemical Co., filed 5 Jun 52, pub. 16 Apr 54.

Martynova, O. I. and Mingulina, E. I.
METHOD OF CALCULATING THE pH VALUES OF AQUEOUS SOLUTIONS OF (STRONG) ACIDS AND BASES AT HIGH TEMPERATURES (Metodika Rascheta Vodorodnogo Pokazatelya Vodnykh Rastvorov Sil'nykh Kislot i Osnovanii pri Vysokikh Temperaturakh)
J. Hardy, tr. [4p] 1ref. [CSIRO] Trans. 6871.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-23647

Trans. of Izvest[iya] Vys[sikh] Ucheb[nykh] Zaved[enii]. Khim[iya i Khimicheskaya] Tekh[nologiya] (USSR) 1961, v. 4, p. 1041-1042.

Matyushenko, V.Kh.
DETERMINATION DES CONSTANTES DES EQUATIONS CINETIQUES. Org.144-N.2258/T.234.
Order from CNRS G/R-2761

Trans. in French of #Zhurnal Fizicheskoi Khimii (USSR) 1963, v.37, no.3, p.517-524.
Other translations are available in French from OTS, ETC, or CNRS $2.60 as TT-64-26120 and TT-63-27916 and in English from OTS, SLA, or ETC $1.10 as TT-64-14437, 10p.

Medvedev, S. S.
PEROXIDES IN OXIDATION OF HYDROCARBONS. 13p 7refs.
Order from SLA $1.60 TT-61-18112

Trans. of [Problemy Kinetiki i Kataliza] (USSR) 1940, v. 4, p. 28-46.

Prette, M.
MECHANISM OF OXIDATION OF HYDROCARBONS: SIGNIFICANCE AND LIMITS OF EXISTENCE OF THE PEROXIDATION PHENOMENON. 8p 19refs.
Order from SLA $1.10 TT-61-18090

Trans. of [Problemy Kinetiki i Kataliza] (USSR) 1940, v. 4, p. 125-133.

Rozlovskii, A. I.
KINETICS OF THE DARK REACTION BETWEEN HYDROGEN AND CHLORINE. IV. KINETICS AND MECHANISM OF THE FLAME REACTION (Kinetika i Mekhanizm Reaktsii v Plameni). Aug 64 [20p] 11refs RTS-2378.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19998

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1956, v. 30, no. 12, p. 2713-2723.
Another trans. is available from OTS or SLA $4.60 in TT-63-19257, FTD-TT-62-1688, 1 Apr 63 [41p].

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Rozlovskii, A. I.
KINETICS OF THE DARK REACTION OF A HYDROCHLORIDE MIXTURE AND CRITICAL CONDITIONS FOR ITS COMBUSTION (O Kinetike Temnovoi Reaktsii Khlorovodorodnoi Smesi: Kriticheskikh Usloviyakh Ee Vosplameneniya). Oct 64 [18p] 8refs RTS-2376.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60347

Trans. of Zhurnal Fiz[icheskoi] Khim[ii] (USSR) 1954, v. 28, no. 1, p. 51-59.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Shlenskaya, V. I. and Piskunov, E. M.
THE NATURE OF THE INTERACTION OF RUTHENIUM WITH THIOCYANATE IONS (O Prirode Vzaimodeistviya Ruteniya s Rodan-Ionom). Sep 64 [6p] 6refs RTS-2446.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19968

Trans. of Moscow Univ. Vestnik. [Seriya 1: Matematika, Mekhanika] (USSR) 1963 [v. 18] no. 2, p. 35-36

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Sokolik, A. S.
PEROXIDES AND DETONATION IN INTERNAL COMBUSTION ENGINES. 14p 31refs.
Order from SLA $1.60 TT-61-18234

Condensed trans. of [Problemy Kinetiki i Kataliza] (USSR) 1940, v. 4, p. 167-184.

Swietoslawska, Janina and Held, Sima.
"SINGLE-INCREMENT" METHOD IN SPECTRAL TRACE ANALYSIS. I. APPLICATION TO QUANTITATIVE DETERMINATIONS (Metoda "Jednego Dodatku" w Sladowej Analizie Spektralnej. I. Zastosowanie do Oznaczen Ilosciowych) A. Szafranski, tr. 1964 [17p] 9refs PL-480 Agr.
Order from OTS HC $0.50 TT-61-31281

Trans. of Chemia Analityczna (Poland) 1958, v. 3, p. 515-530.

Swietoslawska, Janina and Waledziak, Hanna.
PRECISION AND ACCURACY OF THE SPECTROPHOTOMETRIC ANALYSIS OF BINARY SYSTEMS. III. RELATIONSHIP BETWEEN PRECISION AND CONCENTRATION DETERMINED (Z Badan nad Precyzja i Dokladnoscia Analizy Spektrofotometrycznej Ukladow Dwuskladnikowych. III. Zaleznosc Pomiedzy Precyzja Oznaczenia i Wielkoscia Oznaczanych Stezen)
A. Szafranski, tr. 1964 [9p] 2refs PL-480 Agr.
Order from OTS HC $0.50 TT-61-31280

Trans. of Chemia Analityczna (Poland) 1956, v. 1, p. 246-254.

Tomassi, Witold and Jankowska, Helena.
THE INVESTIGATION ON THE PROPERTIES OF POWDERED ELECTRODES IN THE SYSTEM Cl_2 -Cl^--H_2O. PT III(Badania nad Wlasnosciami Proszkowej Elektrody w Ukladzie Cl_2-Cl^--H_2O. III).
28p (foreign text included) 8refs.
Order from SLA $2.60 TT-65-10119

Trans. of Przemysl Chemiczny (Poland) 1960, v. [16] (39) no. 8, p. 496-502.

Wolf, K. A.
INVESTIGATION OF RELAXATION FOR STUDIES OF MOLECULAR PROCESSES IN HIGH POLYMERS.
11p (20 figs omitted) 27refs.
Available on loan from SLA TT-65-10690

Trans. of Zeitschrift für Elektrochemie (West Germany) 1961, v. 65, p. 604-615.

Ziebland, H.
THE THERMAL CONDUCTIVITY OF NITROGEN, OXYGEN AND ARGON IN THE LIQUID AND GASEOUS STATES. [11p] 39refs
Order from SLA $1.60 TT-61-10224

Trans. of Deutscher Chemikerverein, Monographien [sic] 1959, v. 32, p. 74-82.

EARTH SCIENCES

ALBUM OF AERIAL PHOTOGRAPHS OF ICE FORMATIONS ON SEAS
M. Slessers, tr. 1961 [106p] (illus. omitted)
HO Trans-138.
Order from OTS or ETC HC $4.00, MF $0.75 TT-62-24067

Trans. of mono. Al'bom Aerofotosnimkov Ledovykh Obrazovanii na Moryakh, Leningrad, 1960, 224p.

Abramov, F.A., Makuchin V.N., and Streiman, V.E.
NOUVEAU DISPOSITIF POUR MESURER LES DEPRESSIONS AU FOND. Org.54-976-63 F.12-41611.
Order from CNRS G/R-2690

Trans. in French of Bezopasnost' Truda v Promyshlennosti (USSR) 1963 [v.7] no.6 p.21-22.

Efros, D.A. and Allakhverdieva, R.A.
EEN BEREKENING VAN DE MAXIMUM WATERVRIJE PRODUKTIE VAN IMPERFECTE PUTTEN MET BEHULP VAN EEN MODELSTUDIE. 29p.
13 refs. MTWL-1187; BPM-Trans.1498.
Order from ETC $2.60 TT-64-26091

Trans. in Dutch of Vsesoyuznyi Nauchno-Issledovatel'skii Institut po Dobyche Nefti. Trudy (USSR) [sic] 1957, no.10, p.101-130.

Evteev, S. A.
THE GEOLOGICAL ACTIVITY OF THE ICE COVER IN EAST ANTARCTICA [Geologicheskaya Deyatel'nost' Lednikovogo Pokrova Vostochnoi Antarktidy]. 16 Oct 63, 4p.
Order from GPRC $0.80

Partial trans. of [Geofizicheskii Byulleten'] (USSR) [1962] no. 12 [p. 61-68].
Complete translations are available from OTS $1.75 in TT-63-41003, JPRS-21593 from OTS, SLA, or ETC $6.60 in TT-64-13687, AID-T-64-8.

Lokhanin, K.A.
ENGIN DE TRAÇAGE COMBINE 'PK-7". Org.54-988-63 C.24213-41814.
Order from CNRS G/R-2686

Trans. in French of Ugol' (USSR) 1963 [v.38] no.7, p.32-34.

Murachev A.N. and Kleshchev, P.E.
EXPLOITATION RATIONNELLE DES COUCHES SE TROUVANT SOUS DES BATIMENTS. Org.54-987-63 D.11-42376.
Order from CNRS G/R-2688

Trans. in French of Ugol' (USSR) 1963 [v.38] no.9, p.22-26.

Petrenko, E.V. and Gaiko, E.I.
ESSAI DE L'ENGIN D'ABATAGE COMBINE KKP DANS LA FOSSE No.1-2 'KRASNYI OKTIABRE"
Org.54-986-63 C.2420-41815.
Order from CNRS G/R-2684

Trans. in French of Ugol' (USSR) 1963 [v.38] no.7, p.34-36.

Protod'yakonov, M.M.
EQUATIONS DES COURBES DE FORATION
Org.54-1038-63 C.330-29585.
Order from CNRS G/R-2683

Trans. in French of unidentified Russian language article pub. by Akademiya Nauk SSSR, 1959, p.35-44.

Remezov, N.P.
PROCESSUS DE FORMATION DE L'HORIZON PODZOLOQUE. Org.40.
Order from CNRS G/R-2653

Trans. in French of Pochvovedenie (USSR) 1947, no.5, p.265-276.

Slipchenko, L.D.
MECANISATION DE L'ABATAGE DANS LES TAILLES DES COUCHES EN DRESSANT.
Org.54-1052-63 B.34-42143.
Order from CNRS G/R-2682

Trans. in French of Ugol' (USSR) 1963 [v.38] no.8, p.20-23.

Tiyupin, N.F. and Gautz, V.N.
EXPLOSIONS INTEMPESTIVES DE TERRILS AVEC PROJECTIONS. Org.54-1042-63 E.6cl-41901.
Order from CNRS G/R-2689

Trans. in French of Ugol'Ukrainy (USSR) 1963 [v.7] no.7, p.48-49.

Utkalov, P.R.
CREUSEMENT DE TRAVAUX PREPARATOIRES DANS LES MINES DU DONETZ A L'AIDE DE LA FORATION. Org.54-989-63 C.22-41621.
Order from CNRS G/R-2685

Trans. in French of Ugol' (USSR) 1963 [v.38] no.6, p.37-39.

Varlachkin, V.M. and Selezeni, A.L.
TENUE DES TRAVAUX PREPARATOIRES LORS DE L'EXPLOITATION D'UN FAISCEAU DE COUCHES EN DRESSANT. Org.54-1041-63 D. 100-41892.
Order from CNRS G/R-2687

Trans. in French of Ugol' Ukrainy (USSR) 1963 [v.7] no.7, p.13-14.

Zubariev Yu.F.
FISSURATION DES ROCHES ET SON INFLUENCE SUR L'APPARITION DES DEGAGEMENTS INSTANTANES. Org.54-1022-63 F.312-41902.
Order from CNRS G/R-2691

Trans. in French of Ugol' Ukrainy (USSR) 1963, [v.7] no.7, p.49-50.

Climatology and Meteorology

Maksimov, I. V.
EXPERIMENTAL PREDICTION OF THE SECULAR COMPONENT OF SOLAR ACTIVITY (Opyt Prognoza Vekovoi Sostavlyayushchei Solnechnoi Deyatelnosti). Aug 64 [22p] 19refs RTS-2532.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19994

Trans. of Prob[lemy] Arkt[iki] i Antark[tiki] (USSR) 1963, no. 12, p. 21-32.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Markovich, L. M. and Muchnik, V. M.
STRUCTURE OF THUNDERSTORM SHOWERS, ACCORDING TO DATA ON THE INTENSITY DISTRIBUTION OF RADIO-ECHOES WITH HEIGHT (Struktura Grozovykh Livnei po Dannym o Raspredelenii Intensivnosti Radioekho s Vysotoi)
Burton J. Hobson, tr. Jan 61 [3]p.
AmMetSoc-M-RA-6; AD-258 401.
Contract AF 19 604 6113
Order from OTS or ETC HC $1.00, MF $0.50
TT-61-23711

Trans. of Ukrayins'kyi Fizychnyi Zhurnal (USSR) 1960, v. 5, no. 2, p. 268-269.

Vul'fson, N. I.
CONVECTIVE MOTIONS IN A FREE ATMOSPHERE. 1964, 195p 149refs PL-480 Comm.
Order from OTS HC $5.00 TT-64-11017

Trans. of mono. Issledovanie Konvektivnykh Dvizhenii v Svobodnoi Atmosfere, Moscow, 1961 [262p].

Frost Science

Osokin, I.M.
COMPOSITION CHIMIQUE DE LA COUVERTURE DE NEIGE SUR LE TERRITOIRE DE L'U.R.S.S. Org.80-4349.
Order from CNRS G/R-2730

Trans. in French of Akademiya Nauk SSSR. Izvestiya. Seriya Geograficheskaya, 1963, no.3, p.26-34.

Steinemann, S.
EXPERIMENTAL INVESTIGATIONS OF THE PLASTICITY OF ICE (Experimentelle Untersuchungen zur Plastizität von Eis) tr. by Robert Cahill and Charles Townsend. Aug 61, 119p. 128 refs. Am Met Soc-T-G-166+.
Order from ETC $9.60 TT-63-27112

Trans. of Beiträge zur Geologischen Karte der Schweiz. Geotechnische Serie. Hydrologie, 1958, no.10.
Also available on loan from OTS as Lots 2284.

Geodesy

[Bulanzhe, Yu. D.]
SECULAR GRAVITY CHANGES [Vekovye Izmeneniya Sily Tyazhesti]. 16 Oct 63, 7p.
Order from GPRC $1.40

Partial trans. of [Geofizicheskii Byulleten'] (USSR) [1962] no. 12 [p. 74-80].
Complete translations are available from OTS $1.00 in TT-63-41187, JPRS-21967 and from OTS, SLA, or ETC $6.00 in TT-64-13687, AID-T-64-8.

Izotov, A. A.
THE GEOMETRIC LATITUDE OF A POINT IN SPACE. [6p] AERDL T-1758.
Order from OTS HC $1.00, MF $0.50 AD-608 933

Trans. of Geodeziya i Kartografiya (USSR) 1964, no. 6, p. 3-6.
Another trans. is available from OTS $1.00 as TT-64-41042, JPRS-25771, 7 Aug 64, 5p.

Kamela, Czeslaw.
DYNAMIC GEODESY, VOL. I
T. Zieleniewski, tr. 1964, 438p PL-480 Comm.
Order from OTS HC $4.50 TT-61-11309

Trans. of mono. Geodezja Dynamiczna [Warsaw] 1953 [380p].

Geography

SOVIET GEOGRAPHY: REVIEW AND TRANSLATION, 1964, VOL. 5, NO. 7. Symposium on Physical Geography of the USSR. Sep 64, 84p 59refs.
Order from AGS $1.00, $6.00/year

Trans. of mono. Materialy k IV S"ezdu Geograficheskogo Obshchestva SSSR (Congress of the Geographical Society) (no. 4) Leningrad, 1964.

For table of contents see the "Periodicals Translated Cover-to-Cover" section of this issue.

Iveronova, M.I.
PARTICULARITES DE LA DENUDATION DES PENTES DANS LE NORD DE TIAN-CHAN.
Org.80-4350.
Order from CNRS G/R-2731

Trans. in French of Akademiya Nauk SSSR. Izvestiya. Seriya Geograficheskaya, 1963, no.3, p.71-76.

Makkaveev, N.I. and Chalov, R.S.
SUR LES CARACTERES MORPHOLOGIQUES DE L'ACCUMULATION ACTUELLE DANS LA VALLEE FLUVIALE. Org.80-4351.
Order from CNRS G/R-2732

Trans. in French of Akademiya Nauk SSSR. Izvestiya. Seriya Geograficheskaya, 1963, no.3, p.84-89.

Szukalski, Jerzy.
FROM LAKE INVESTIGATIONS IN THE KASHUBIAN LAKELAND (Z Badan Jeziornych na Pojezierzu Kaszubskim)
J. Dlutek, tr. 1964 [15p] 20refs PL-480 Int.
Order from OTS HC $0.50 TT-63-11356

Trans. of Zeszyty Geograficze (Poland) 1959, v. 1, p. 205-215.

Geology

ADDITIVE FOR REDUCING FLUID LOSSES IN WELLS OR THE LIKE AND PROCESS FOR THE TREATMENT OF SOILS WITH THE SAID COMPOSTION. 10p.
Order from TC $10.50 TC-331

Trans. of French patent 1,266,368, 29 May 61, by Halliburton Oil Well Cementing Co.

BULLETIN (APPLIED GEOPHYSICS) 1962, VOL. 3
D. Stefanovic, tr. 1964, 99p 13refs PL-480 Int.
Order from OTS HC $1.00 TT-62-11756/3

Trans. of Zavod za Geolosko i Geofizicko Istrazivanje N. R. Srbije. Vesnik. Serija C: Primenjena Geofizika (Yugoslavia) 1962, v. 3, p. 5-99ff.

For table of contents see the "Periodicals Translated Cover-to-Cover" section of this issue.

STROMATOLITHES ET LES ONCOLITHES.
Org.80-4364.
Order from CNRS G/R-2738

Trans. in French of unidentified Russian language article, n.p., n.d.

Aleksandrov, B. A. and Kiselev, Yu. G.
GEOLOGICAL STUDIES IN THE ARCTIC AND SIBERIA: STRUCTURE AND DYNAMICS OF MAGNETIC VARIATIONS IN THE ARCTIC AND SUBARCTIC [AND] THE DEEP GEOLOGICAL STRUCTURE OF THE UST'-ENISEI DEPRESSION AND ITS FRAMEWORK IN THE LIGHT OF NEW GEOPHYSICAL DATA. 7 Oct 63, 34p 32refs
JPRS: 21348.
Order from OTS HC $1.00, MF $0.50 TT-63-31894

Trans. of Geofizicheskie Metody Razvedki v Arktike (USSR) 1962, no. 4, p. 10-20, 61-74.

Beneslavskii, S.I.
LE REGIME HYDROGEOLOGIQUE-FACTEUR PRINCIPAL DE LA FORMATION DES BAUXITES.
Org.80-4347.
Order from CNRS G/R-2728

Trans. in French of Kora Vyvetrivaniya (USSR) 1963, no.5, p.120-126.

Blagovolin, N.S., Muratov, V.M., and Timofeev, D.A.
QUESTIONS RELATIVES AU DEVELOPPEMENT DES PENTES, D'APRES LES DIVERSES MORPHOSTRUCTURE. Org.80-4348.
Order from CNRS G/R-2729

Trans. in French of Akademiya Nauk SSSR. Izvestiya. Seriya Geograficheskaya, 1963, no.3, p.16-25.

Dagis, A. S.
NEW LATE-TRIASSIC SPIRIFERINIDS OF THE NORTH-WEST CAUCASUS (Novye Posdnetriassovye Spiriferinaceae Severo-Zapadnoga Kavkaza). Sep 64 [20p] 11refs RTS-2527.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19961

Trans. of Paleontologicheskii Zhurnal (USSR) 1962, no. 3, p. 47-56.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Dagys, A.
SOME NEW AND LITTLE KNOWN UPPER TRIASSIC ATHYRIDAE (Nekotorye Novye i Maloizvestnye Verkhnetriasovye Atiridy). Aug 64 [27p] RTS-2526.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-23609

Trans. of [Akademiya Nauk Litovskoi SSR, Vilna]. Geol[ogijos] ir Geogr[afijos] Inst[itutas]. Moksl[iniai] Pran[esimai] 1962, v. 14, no. 1, p. 59-75.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Eliseev, N.A., Gorbunov, G.I. and others.
INTRUSIONS ULTRABASIQUES ET BASIQUES DE PECHENGA. Org.80-4360.
Order from CNRS G/R-2737

Trans. in French from Akademiya Nauk SSSR.
Laboratoriya Geologiya Dokembriya. Trudy,
1961, no. 10.

Kiparisova, L. D. and Astakhova, T. V.
NEW EARLY TRIASSIC NAUTILUS AND PROSPHINGITES OF THE SOUTHERN MARITIME [AND] NEW EARLY TRIASSIC CERATITES OF MANGYSHLAK. 59p.
Order from OTS or ETC HC $3.00, MF $0.75
TT-62-15998

Trans. of mono. [Novye Vidy Drevnikh Rastenii i Bespozvonochnykh SSSR] (New Species of Ancient Plants and Invertebrates of the USSR) Moscow, 1960, Pt. II, p. 136-159.

Kiyono, T., Yoshizumi, E., and Taniguchi, K.
EXPLORATION VERTICALE PAR LA METHODE D'INDUCTION CENTRALE. 17p. (foreign text included) 4 refs. CNRS-XXV 328.
Order from ETC or CNRS $1.60 TT-62-26407

Trans. in French of Butsuri Tanko (Japan) 1956, v.9, no.4, p.146-150.

Nevesskii, E.N. and Shcherbakov, F.A.
ETUDE DES PROCESSUS DE CONCENTRATION DES MINERAUX LOURDS POUR LA RECHERCHE DE PLACERS LITTORAUX MARINS. Org.80-4352.
Order from CNRS G/R-2733

Trans. in French of Akademiya Nauk SSSR. Doklady, 1958, v.123, no.1, p.152-155.

Sigov, A. P.
PROSPECTING BY HEAVY MINERAL STUDIES (Shlikovye Izyskaniia). [23p].
Order from SLA $2.60 TT-65-10156

Condensed trans. of Uralskii Nauchno-Issledovadelskii Institut Geologii, Razvedok i Issledovaniya Mineral'nogo Syr'ya. Trudy (USSR) 1939, no. 4, 64p.

Teodorovich, G.I.
SUR LA GENESE DE LA DOLOMITE DANS LES DEPOTS SEDIMENTAIRES. 7p. CNRS-XXXIV 1.
Order from ETC or CNRS $1.10 TT-63-26268

Trans. in French of Eclogae Geologicae Helvetiae, 1958, v.51, p.767-774.

Zhadin, V. V.
MEASURING THE ABSORPTION OF LONGITUDINAL AND TRANSVERSE WAVES IN ROCK SALT (Izmerenie Pogloshcheniya Prodol'noi i Poperechnoi Voln v Kamennoi Soli). Aug 64 [8p] 7refs RTS-2460.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19953

Trans. of Geol[ogiya] i Geofiz[ika] (USSR) 1963, no. 5, p. 130-133.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Znosko, J.
ETAT ACTUEL DES CONNAISSANCES DE LA STRUCTURE GEOLOGIQUE DU SUBSTRATUM PROFOND DE LA POLOGNE AU-DELA DES CARPATES. Org.72-4356.
Order from CNRS G/X-933

Trans. in French of Kwartalnik Geologiczny (Poland) 1962, v.6, no.3, p.485-511.

Mineralogy

Eigeles, M.A. and Grekulova, L.A.
CHARGEMENT MINERAL DES BULLES D'AIR DANS UNE MACHINE DE FLOTTATION. Org.2-IRSID-2252 P.112.
Order from CNRS G/R-2634

Trans. in French of Obogashchenie Rud (USSR) 1962 [v.7] no.2, p.6-11.

Grigor'ev, D. P.
FUNDAMENTALS OF THE CONSTITUTION OF MINERALS. 1964, 50p 12refs PL-480 Int.
Order from OTS HC $2.00 TT-64-11105

Trans. of mono. Osnovy Konstitutsii Mineralov, Moscow, 1962.

Ivanov, V.I. and Nagirnyak, F.I.
ACTIVATION DE LA LIXIVIATION DES MINERAUX SULFURES DE CUIVRE PAR LES THIOBACTERIES. Org.80-4354.
Order from CNRS G/R-2734

Trans. in French of# Tsvetnye Metally (USSR) 1962, v.35, no.8, p.30-36.

Karyukina, V.N.
DETERMINATION DES MINERAUX D'APRES LE PH DE LEURS SUSPENSIONS. Org.80-4365.
Order from CNRS G/R-2739

Trans. in French of mono. Sovremennye Metody Mineral[ogicheskogo] Issled[ov]aniya Gornykh Porod, Rud i Mineralov] Moscow, 1957, p.208-229.

Lakota, B.M.
TROMPE A AIR POUR LA DESTRUCTION DE LA MOUSSE DE FLOTTATION. Org.2-IRSID-2255 P.112.
Order from CNRS G/R-2635

Trans. in French of Obogashchenie Rud (USSR) 1962 [v.7] no.6, p.41.

Seki, Y.
HORNBLENDE COMMUNE DANS UNE HORNBLENDITE A PYROXENE MONOCLINIQUE DISTRICT DE MIYAMORI, PREFECTURE D'IWATE. 12p. (foreign text included) 1 ref. CNRS-XXX 11.
Order from ETC or CNRS $1.60 TT-63-26098

Trans. in French of Ganseki Kobutsu Kosho Gakkaishi (Japan) 1957, v.41, no.1, p.23-26.

Tratsevitskaya, B. Ya., Ratner, Yu. E., and Krasnopevtseva, G. N.
REACTION OF NICKEL-BEARING MINERALS WITH CARNALLITE (O Vzaimodeistvii Nikelenosnykh Mineralov s Karnalitom). Aug 64 [12p] 5refs
RTS-2502.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19996

Trans. of Akad[emiya] Nauk SSSR. Inst[itut] Met[allurgii, Moscow]. Tr[udy] 1963, no. 12, p. 45-48.

Vortisch, Erh.
THE MIXED CRYSTALS (K, Na)Cl IN TERNARY SYSTEMS. 8p (2 figs omitted) 9refs.
Order from SLA $1.10 TT-64-30972

Trans. of Zentr[alblatt für] Min[eralogie] Geol[ogie und Paläontologie] (Germany) 1919, p. 293-299.

Oceanography

Fedorov, A.F. and Podymakhin, V.N.
PROTEGER L'OCEAN MONDIAL CONTRE LA CONTAMINATION RADIOACTIVE DES EAUX OCEANIQUES. Org.140-963-863.
Order from CNRS G/R-2754

Trans. in French of Priroda (USSR) 1962 [v.51] no.11, p.47-50.

Physics of the Atmosphere

Leont'eva, V.V.
QUELQUES DONNEES SUR L'HYDROLOGIE DES FOSSES PROFONDES DE TONGA ET DE KERMADEC. Org.80-4355.
Order from CNRS G/R-2735

Trans. in French of #Akademiya Nauk SSSR. Institut Okeanologii. Trudy, 1960, v.40, p.72-82.

PHENOMENA IN THE UPPER ATMOSPHERE: COMPILATION OF ABSTRACTS. Rept. no. 49.
9 Dec 64 [26p] 25refs ATD Rept. P-64-65.
Order from OTS HC $2.00, MF $0.50 AD-608 931

Contents:
Solar radiation and the ionosphere
Vann Allen belts and cosmic rays
Telluric currents
Satellite and missile data.

PROCEEDINGS OF THE CENTRAL AEROLOGICAL OBSERVATORY, 1962, NO. 42. Jul 64 [200p]
NASA Technical Trans. F-141.
Order from OTS HC $3.50, MF $1.25 N64-26961

Trans. of Tsentral'naya Aerologicheskaya Observatoriya. Trudy (USSR) 1962, no. 42 [155p].

For table of contents see the "Periodicals Translated Cover-to-Cover" section of this issue.

Dessens, H.
THE FORMATION OF THUNDERSTORMS BY DEEPENING OF A LAYER OF HUMID AIR (Sur la Formation d'Orages par Plissement d'une Couche d'Air Humide) tr. by Myron Ricci. 10p. 3 refs. Am Met Soc-T-F-48+.
Order from ETC $1.10 TT-63-27133

Trans. of Observatoire du Puy de Dôme. Bulletin (France) 1959 no.1 p.7-10.
Also available on loan from OTS as Lots 2257.

Yastrebov, M.T.
UNE AIGUILLE POUR PRENDRE DES ECHANTILLONS D'ATMOSPHERE DU SOL. TENEUR DE CES ECHANTILLONS EN CO_2, O_2 ET H_2 IDEM POUR LES EAUX DES SOLS SUBMERSIBLES.
Org. 40.
Order from CNRS G/R-2652

Trans. in French of #Pochvovedenie (USSR) 1956, no.4, p.89-96.

Seismology

DEEP SEISMIC SOUNDING OF THE EARTH'S CRUST IN THE U.S.S.R.: A COLLECTION OF REPORTS
Walter Burton and others, trs. Jul 63 [277p] 151refs
ACIC TC-585, Pt. I.
Order from OTS or ETC HC $6.00, MF $1.75
TT-64-13679

Trans. of mono. Glubinnoe Seismicheskoe Zondirovanie Zemnoi Kory v SSSR, Sbornik Dokladov, Leningrad, 1962, p. 36-186.

For table of contents see the "Periodicals Translated Cover-to-Cover" section of this issue.

DEEP SEISMIC SOUNDING OF THE EARTH'S CRUST IN THE U.S.S.R.: A COLLECTION OF REPORTS
Walter Burton and others, trs. Jul 63 [252p] 104refs
ACIC TC-585, Pt. II.
Order from OTS or ETC HC $6.00, MF $1.50
TT-64-13680

Trans. of mono. Glubinnoe Seismicheskoe Zondirovanie Zemnoi Kory V SSSR, Sbornik Dokladov, Leningrad, 1962, p. 187-342.

For table of contents see the "Periodicals Translated Cover-to-Cover" section of this issue.

DEEP SEISMIC SOUNDING OF THE EARTH'S CRUST IN THE U.S.S.R.: A COLLECTION OF REPORTS
Walter Burton and others, trs. Jul 63 [257p] 206refs ACIC TC-585, Pt. III.
Order from OTS or ETC HC $6.00, MF $1.50
TT-64-13681

Trans. of mono. Glubinnoe Seismicheskoe Zondirovanie Zemnoi Kory V SSSR, Sbornik Dokladov, Leningrad, 1962, p. 342-438, 448-492.

For table of contents see the "Periodicals Translated Cover-to-Cover" section of this issue.

Nazarnyi, S. A.
DETERMINING SIGNS WITH MICROSEISMIC INSTRUMENTS WHICH WARN OF SUDDEN OUTBURSTS OF COAL AND GAS (Ustanovlenie Predupreditel'nykh Priznakor Unezapnykh Vybrosov Uglya i Gaza s Pomoshch'yn Mikro Seismicheskikh Priborov). Jul 64 [14p] 2refs RTS-2262.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19930

Trans. of Ugol' (USSR) 1953 [v. 28] no. 3, p. 32-37.

ENGINEERING

ENGINEERING JOURNAL, 1964, VOL. 4, NO. 2.
16 Sep 64, 134p JPRS: 26417.
Order from OTS HC $4.00, MF $1.00 TT-64-41675

Trans. of Inzhenernyi Zhurnal (USSR) 1964, v. 4, no. 2, p. 219-224, 251-253, 263-274, 302-309, 357-364, 368-375, 392-423.

For table of contents see the "Periodicals Translated Cover-to-Cover" section of this issue.

MAGNETIC RECORDING ELEMENT AND PROCESS FOR ITS MANUFACTURE. 12p.
Order from TC $12.50 TC-327

Trans. of French patent 1,317,185, 26 Dec 62, by Radio Corp. of America.

POCKET WARMER WITH A LIGHTER ATTACHMENT.
11 Feb 63, 3p (figs omitted)
Order from OTS or ETC HC $1.00, MF $0.50
TT-63-15763

Trans. of Japanese Utility model, cl. 16.6, registration no. 176,907, appl. publ. no. 15864/1932, pub. 12 Nov 32, appl. no. 7303/1931 11 Mar 31, by Shigekane Maekawa, Tokyo.

Artsybashev, V.A.
MESURE DE LA DENSITE DES SOLS, PAR RAYONS GAMMA. Org.18-A.1716.
Order from CNRS G/R-2640

Trans. in French of Avtomobil'nye Dorogi (USSR) 1962 [v. 25] no. 11, p. 15-16, 19.

Borodavkin, P.P.
CALCUL DE LA STABILITE DES CONDUITES ENTERREES. Org.55-29053bis.
Order from CNRS G/R-2705

Trans. in French of Stroitel'stvo Truboprovodov (USSR) 1963 [v.8] no.5, p.21-24.

Dmitrak, Yu.A. and Neskreba, A.V.
RESULTATS D'ESSAIS A L'ECHELLE INDUSTRIELLE AVEC L'ENGIN COMBINE KG-1. Org.54-990-63 B.21-41633.
Order from CNRS G/R-2680

Trans. in French of Shakhtnoe Stroitel'stvo (USSR) 1963 [v. 7] no. 6, p. 11-13.

Flower, Guiles, Jr., Tufano, Albert L., and Roberts, Frederick W.
DISPERSION AT HIGH VISCOSITY OF MAGNETIC PIGMENTS. 13p.
Order from TC $13.50 TC-326

Trans. of French patent 1,315,773, 17 Dec 62, by Dictaphone Corp.

Kapitsa, P.L.
ELECTRONIQUE DES GRANDES PUISSANCES.
Org.140-835-263.
Order from CNRS G/R-2741

Trans. in French of Uspekhi Fizicheskikh Nauk (USSR) 1962, v.78, no.2, p.181-265.
An unedited rough draft trans. in English is available from OTS $3.00 as TT-63-11747, FTD-TT-63-253, 5 Sep 63 [172p].

Koshelev, I. I. and Novi, V. O.
THE BPK WETNESS METER (Vlagomer BPK). Jul 64 [26p] 1ref RTS-2364.
Order from OTS or ETC HC $2.00, M F $0.50
TT-64-19927

Trans. of Teploenergetika (USSR) 1959 [v. 6] no. 4, p. 49-55.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Miroshnik, E.E.
METHODE DE CALCUL POUR LES CONDUITES DE BETON, DESTINEES AUX TRAVAUX DE REMBLAYAGE. Org.54-1030-63 B.53-41243.
Order from CNRS G/R-2681

Trans. in French of Gornyi Zhurnal (USSR) 1963, no.5, p.46-53.

Moiseev, M.A.
DECOUPAGES DES COUCHES EN PLATEURE PAR ETAGES AVEC VOIES AU ROCHER. Org.54-1307-63 B.20-41883.
Order from CNRS G/R-2678

Trans. in French of Ugol' Ukrainy (USSR) 1963 [v.7] no.7, p.10-12.

Murzin, V.A., Yuchin, V.V., and Zeitlin, Yu.A.
REDUIRE LES FUITES D'AIR COMPRIME. Org.54-1054-63 H.21-42466.
Order from CNRS G/R-2694

Trans. in French of Ugol' Ukrainy (USSR) 1963, [v.7] no.9, p.25-26.

Pordes, W.
FACTEURS INFLUANT SUR L'EFFICACITE DU FORAGE DES TROUS DE MINE. Org.54-1039-63 19.117 C.330.
Order from CNRS G/X-927

Trans. in French of Przeglad Gorniczy (Poland) 1956 [v.12] no.1, p.5-11.

Ryabchenkov [A.V.] and Khromov [V.E.]
ESSAIS DE RESISTANCE A L'USURE D'ARBRES A VIS SANS FIN CHROMES DANS UN ENGRENAGE AVEC DES ROUES EN FONTE. Org.38-Bull.Doc. 9/10/1963.
Order from CNRS G/R-2646

Trans. in French of # Vestnik Mashinostroeniya (USSR) 1960, v.40, no.12, p.21-26.

Scholz, M.
UNE REGLE A CALCUL SPECIALE "BESOINS EN CHALEUR SUIVANT DIN 4701 " (Der Sonderrechenstab " Warme nach DIN 4701"), tr. by F. Bovy.
29 Apr 64, 20p. (foreign text included).
Order from Euro-T.S. $56.00 Euro-T.S.891.431

Trans. in French of Die Ölfeuerung (West Germany) 1961, v.6, no.4, p.262-274.

Semenov, I. A.
INTRODUCTION ET REPARTITION DES REACTIFS DANS LES INSTALLATIONS DE FLOTTATION. Org.54-1043-63 I.44-41932.
Order from CNRS G/R-2695

Trans. in French of Mekhanizatsiya i Avtomatizatsiya Proizvodstva (USSR) 1963 [v.17] no.7, p.24.

Sivko, V.I. and Savostyanov, A.V.
INFLUENCE DES PILES DE REMBLAIS SUR LA TENUE D'UNE VOIE AU ROCHER. Org.54-1040-63 B.20-41893.
Order from CNRS G/R-2679

Trans. in French of Ugol' Ukrainy (USSR) 1963 [v.7] no.7, p.15-16.

Temerti, G.F., Arkhangel'skii, L.N., and Imchtenski, A.M.
AUTOMATISATION DES STATIONS DE COMPRESSEURS. Org.54-1026-63 H.12-41898.
Order from CNRS G/R-2693

Trans. in French of Ugol' Ukrainy (USSR) 1963, [v.7] no.7, p.33-35.

Yagel'skii, A. N.
HEAT-EXCHANGE CALCULATIONS FOR THE VENTILATION OF DEAD-END GALLERIES IN DEEP COAL MINES. 1964, 107p 53refs PL-480 Int.
Order from OTS HC $4.00 TT-63-11099

Trans. of mono. Teplovye Raschety Ventilyatsionnogo Vozdukha Vyrabotok s Tupikovym Zaboem v Glubokikh Ugol'nykh Shakhtakh, Moscow, 1960 [145p].

Yuzefovich, G. I.
PLOTTING INSTABILITY RANGES FOR CIRCULAR SAWS (Postroenie Oblastei Neustoichivosti Kruglykh Pil). Nov 63 [12p] 4refs RTS-2319.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-13376

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Lesnoi Zhurnal (USSR) 1961 [v. 4] no. 2, p. 112-120.

Aeronautical Engineering

Bel'skii, V. L., Vlasov, I. P. and others.
DESIGN OF FLYING CRAFT: CHAPS. 3,5-15, 18.
30 Nov 64 [389p] FTD-TT-64-1018.
Order from OTS HC $7.00, MF $2.00 AD-608 751

Unedited rough draft trans. of mono. Konstruktsiya Letatel'nykh Apparatov, Moscow, 1963, p. 85-113, 124-386, 445-464.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Gallai, M. L.
PILOTING PECULIARITIES OF JET AIRCRAFT.
22 Sep 64 [197p] FTD-MT-64-148.
Order from OTS HC $5.00, MF $1.25 AD-608 601

Edited machine trans. of mono. Osobennosti Pilotirovaniya Reaktivnykh Samoletov, Moscow, 1962, 196p.

Chemical Engineering

AMALGAM DECOMPOSER FOR ELECTROLYSIS CELLS FOR PRODUCING HIGHLY CONCENTRATED ALKALINE LYES. 6p (1 fig omitted).
Order from SLA $1.10 TT-65-10570

Trans. of French patent 951,159, by Krebs et Companie, filed 29 Jul 47, granted 11 Apr 49, pub. 18 Oct 49.

CONCERNING THE pH-ADJUSTMENT, AND THE WASTE GAS AMOUNTS AND ACETYLENE YIELDS THEREWITH FOUND IN THE BUTINDIOL SYNTHESIS. 13p (9 figs omitted).
Order from SLA $1.60 TT-64-20434

Trans. of unidentified publication, n.p., n.d.

CONTINUOUS PRODUCTION OF CONCENTRATED ALKALI HYDROXIDE SOLUTIONS BY DECOMPOSITION OF ALKALI AMALGAMS. 7p.
Order from SLA $1.10 TT-64-30909

Trans. of German patent application S 42,054, cl 12 I, gr 12, by Solvay & Cie., Brussels, filed 22 Dec 54, pub. 9 Feb 56.

DEVICE FOR THE ELECTROLYSIS OF ALKALI SILICATE SOLUTIONS. [15p] 6refs
Order from SLA $1.60 TT-65-10504

Trans. of German patent 1,030,821, cl 12 i, gr 38, internat. cl C 01 b, appl. R 9,576, cl IVa, gr 12 i, by Régie Nationale des Usines Renault, Billancourt, filed 29 July 52, granted 29 May 58 (Priority: France, 5 Nov 51).

DIRECTIVE ON THE WORK AND ESTABLISHMENT OF THE TECHNICAL EXPERIMENTAL GROUP. 6p (16 figs omitted).
Order from SLA $1.10 TT-64-20412

Trans. of mono. (report) of I. G. Farbenindustrie A. G., Ludwigshafen (Germany) Mar 42. (Technical Oil Mission Reel 27, Bag 2077-24, Frames 24..173-24..180).

DOUBLE SKELETON-CATALYST-ELECTRODE AS A CATHODE IN AMALGAM DECOMPOSITION-CELLS IN THE ELECTROLYSIS OF ALKALI CHLORIDE. [9p] 2refs.
Order from SLA $1.10 TT-65-10514

Trans. of German patent 1,094,723, cl 12 l, gr 10, Internat. cl C 01 d, filed 22 Dec 58, granted 15 Dec 60.

ELECTROLYTIC CELL. [5p].
Order from SLA $1.10 TT-65-10517

Trans. of German patent 1,117,092, cl 12 i, gr 2, Internat. cl C 01 b; d, filed 29 Mar 61, granted 16 Nov 61.

ELECTROLYTIC MERCURY CELL WHOSE BOTTOM IS SUBDIVIDED INTO CHANNELS BY MEANS OF INSULATING RIBS OF A SUBSTANTIALLY TRIANGULAR CROSS SECTION. 7p (2 figs omitted).
Order from SLA $1.10 TT-65-10676

Trans. of Italian patent 545,576, cl 24, filed 25 Nov 55, granted 3 Jul 56.

THE EXPLOSION OF THE ETHYLENE OXIDE STORAGE TANK AT SCHKOPAU. 3p
Order from SLA $1.10 TT-64-20455

Trans. of mono. (report) of I. G. Farbenindustrie, A. G., Schkopau (Germany) 13 Dec 40 (in PB-73566).

FABRICATION OF ELECTRODES FOR ELECTROLYSIS OF AQUEOUS SOLUTIONS BY THE MERCURY PROCESS. 4p 2refs.
Order from SLA $1.10 TT-65-10537

Trans. of Belgian patent 548,025, internat. cl B 01 k, by Solvay et Cie., Brussels, filed 23 May 56, granted 15 Jun 56, pub. 6 Nov 59.

FLUIDIZED-BED PROCESS FOR PRODUCTION OF ALUMINUM CHLORIDE. 5p.
Order from SLA $1.10 TT-64-30893

Trans. of German patent application B 18,532, cl 12 m, gr 7, by Badische Anilin- & Soda-Fabrik A. G., Ludwigshafen, filed 3 Jan 52, pub. 15 Mar 56.

IMPROVEMENT OF ELECTROLYTIC CELLS. 4p.
Order from SLA $1.10 TT-65-10536

Trans. of French patent 1,187,247, cl 1, gr 14, Internat. cl B 01 k, by Lacollonge - Flexone (S.A.), filed 25 Nov 57, granted 2 Mar 59, pub. 8 Sep 59.

IMPROVEMENTS IN THE PROCEDURES AND ARRANGEMENTS FOR THE DECOMPOSITION OF AMALGAMS OF ALKALINE METALS. (Perfectionnements aux procedes et disposities pour la decomposition d'amalgames de metaux alcalins.) 9p (foreign text included).
Order from SLA $1.10 TT-64-30840

Trans. of Belgian patent 525,162, by Solvay & Cie, filed 17 Dec 53, granted 17 Jun 54.

MANUFACTURE OF DOUBLE HYDRIDES. 6p.
Order from SLA $1.10 TT-64-30871

Trans. of German patent application H 15,579, cl 12 i, gr 1/01, by Heyl & Co., Berlin-Steglitz, filed 4 Mar 53, pub. 7 Apr 55.

METAL ANODE FOR THE ELECTROLYTIC SEPARATION OF CHLORINE. [5p] 2refs.
Order from SLA $1.10 TT-65-10515

Trans. of German patent 1,105,395, filed 24 Sep 59, granted 27 Apr 61.

METHOD FOR DECOMPOSING AMALGAMS. 6p.
Order from SLA $1.10 TT-65-10534

Trans. of French patent 1,264,034, filed 6 May 60, granted 8 May 61.

METHOD FOR THE ELECTRIC SEPARATION OF HIGHLY INSULATING DUCTS FROM GASES. 4p.
Order from SLA $1.10 TT-65-10709

Trans. of German patent 940,110, filed 5 Feb 53, granted 9 Feb 56, in force as of 4 Aug 51.

NEW CATALYSTS FOR THE HYDRATION OF ETHYLENE. 5p.
Order from SLA $1.10 TT-64-30925

Trans. of German patent application F 171,427 [sic] cl 12 o, gr 5/02, by Farbenfabriken Bayer A. G., Leverkusen, filed 28 Apr 55, pub. 16 Aug 56.

NEW CATALYSTS FOR THE HYDROGENATION OF CARBON MONOXIDE. 16p 1ref.
Order from SLA $1.60 TT-64-30899

Trans. of German patent application R10,277, cl 12 o, gr 27, by Ruhrchemie A. G., Oberhausen-Holten, filed 13 Nov 52, pub. 27 Sep 56.

NEW CATALYSTS FOR THE SYNTHESIS OF OXYGENATED COMPOUNDS. 14p.
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Trans. of German patent application B 25,145, cl 12 o, gr 11, By Badische Anilin- & Soda-Fabrik A. G., Ludwigshafen, filed 11 Apr 53, pub. 27 Dec 56.

NEW METHOD OF IMPREGNATION OF CARBONS FOR THE CHEMICAL INDUSTRY. 4p.
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Trans. of French patent 1,156,395, cl 8, gr 14, Internat. cl C 08 g - B 01 j, by Le Carbone-Lorraine, filed 17 July 56, granted 16 Dec 57, pub. 14 May 58.

PROCEDURE FOR THE PREPARATION OF BIS (OXY-ARYL) SULFONES AND THEIR HALOGENATED DERIVATIVES AND PRODUCTS RESULTING THEREFROM. 5p.
Order from SLA $1.10 TT-65-10525

Trans. of French patent 990,161, by Societe Anonyme de Matieres Colorantes et Produits Chimiques, filed 9 Mar 44, granted 6 Jun 51, pub. 18 Dec 51.

PROCEDURE FOR THE PREPARATION OF SOLUTIONS OF HYDROXIDES OF ALKALINE METALS. (Procede pour la fabrication de solutions d'hydroxydes de metaux alcalins.) 11p (foreign text included).
Order from SLA $1.60 TT-64-30841

Trans. of Belgian patent 525,535, Solvay & Cie, Brussells, filed 6 Jan 54, granted 30 Jan 54.

PROCEDURE FOR THE PRODUCTION OF ETHYLENE CYANOHYDRIN. 3p.
Order from SLA $1.10 TT-65-10678

Trans. of German patent 939,148, n.d.

PROCEDURE FOR THE PURIFICATION OF GAS CONTAINING ACIDS. 4p.
Order from SLA $1.10 TT-65-10528

Trans. of Belgian patent 449,653, by I. G. Farbenindustrie, A. G., Ludwigshafen, granted 30 Apr 43.

PROCEDURE FOR THE SEPARATION OF GASES BY ADSORPTION. 8p (1 fig omitted).
Order from SLA $1.10 TT-65-10568

Trans. of Belgian patent 552,060, by Solvay & Cie., Brussels, granted 14 Nov 56 (Addition to patent 543,452, 8 June 56).

PROCEDURE FOR THE SEPARATION OF GASES BY ADSORPTION. 11p (2 figs omitted) 1ref.
Order from SLA $1.60 TT-65-10569

Trans. of Belgian patent 543,452, by Solvay & Cie., Brussels, granted 8 June 56.

PROCESS AND APPARATUS FOR THE CONTINUOUS DETERMINATION OF THE SPECIFIC GRAVITY OF LIQUIDS. 9p (2 figs omitted).
Order from SLA $1.10 TT-65-10656

Trans. of Belgian patent 549,489, by Solvay & Cie, Brussels, filed 12 Jul 56.

PROCESS FOR ACTIVATING FOSSIL FLOUR IN ORDER TO IMPROVE THEIR FILTERING QUALITY BY HIGHLY ECONOMICAL MEANS. 4p.
Available on loan from SLA TT-65-10572

Trans. of Italian patent 545,307, filed 22 Jan 53, granted 30 June 56.

PROCESS FOR CHEMICAL PURIFICATION OF GRAPHITE. 6p.
Order from SLA $1.10 TT-64-30923

Trans. of German patent application U 1413, cl 12 i, gr 33, by Graphitwerk Kropfmühl A. G., Munich, filed 16 Nov 51, pub. 24 Dec 51.

PROCESS FOR CONTINUOUS PRODUCTION OF SILANES FROM MAGNESIUM SILICIDE. 4p 1ref.
Order from SLA $1.10 TT-64-30884

Trans. of German patent application M 15,551, cl 12 i, gr 38, by Metallgesellschaft A. G., Frankfurt, filed 16 Sep 52, pub. 5 Aug 54.

PROCESS FOR ESTERIFICATION OF HIGH-FUSING AROMATIC DICARBOXYLIC ACIDS. 7p.
Order from SLA $1.10 TT-64-30900

Trans. of German patent application C 10,060, cl 12 o, gr 14, by Chemische Werke Huels A. G., Marl, filed 6 Oct 54, pub. 18 Oct 56.

PROCESS FOR EXTRACTION OF AMINES. 3p.
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Trans. of Belgian patent 597,934, by Union Chimique Belge, granted 1960.

PROCESS FOR FLUORINATION OF PARAFIN CHLORINATION PRODUCTS. 6p 2refs.
Order from SLA $1.10 TT-64-30924

Trans. of German patent application F 5731, cl 12 o, gr 2/01, by Farbenfabriken Bayer A. G., Leverkusen, filed 8 Mar 51, pub. 21 May 52.

PROCESS FOR LOW-PRESSURE PRODUCTION OF COLORLESS POLYOLEFINS. 4p.
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Trans. of Belgian patent 544,418, by Bergwerksgesellschaft Hibernia, A. G., Germany, 14 Jan 56.

PROCESS FOR LOW PRESSURE PRODUCTION OF METAL CARBONYLS, METAL CARBONYL HYDRIDES AND SALTS THEREOF. 6p.
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Trans. of German patent application B 22,899, cl 12 n, gr 1, by Badische Anilin- & Soda-Fabrik A. G., Ludwigshafen, filed 12 Nov 52, pub. 3 Mar 55.

PROCESS FOR MAKING AMALGAMS OF ALKALI METALS IN CELLS WITH MOBILE CATHODE OF MERCURY. 5p (2 figs omitted).
Order from SLA $1.10 TT-65-10584

Trans. of Belgian patent 540,863, by Solvay & Cie., Brussels, granted 1959.

PROCESS FOR MANUFACTURING ANHYDROUS ALKALI CARBONATES IN GRITTY FORM. 8p.
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Trans. of German patent application B 32,614, cl 12 l, gr 13, by Badische Anilin- & Soda-Fabrik A. G., Ludwigshafen, filed 15 Sep 54, pub. 21 Jun 56.

PROCESS FOR MANUFACTURING OXYGENATED COMPOUNDS. 6p.
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Trans. of German patent application C 20,836, cl 12 o, gr 7/03, by Chemische Verwertungsgesellschaft Oberhausen G.m.b.H., Oberhausen-Holten, filed 17 Jun 52, pub. 7 Jun 56.

PROCESS FOR PREPARING COMPLEX SALTS OF METAL CARBONYL HYDRIDES. 7p.
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Trans. of German patent application B 18,680, cl 12n, gr 1, by Badische Anilin- & Soda-Fabrik A. G., Ludwigshafen, filed 16 Jan 52, pub. 3 Sep 53.

PROCESS FOR PREPARING DIACETALS OF GLYOXAL. 4p.
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Trans. of German patent application D 11,711, cl 12 q, gr 25, by Dynamit-A. G., Troisdorf, Germany, filed 3 Mar 52, pub. 13 Aug 53.

PROCESS FOR PREPARING HEXACHLOROBENZENE. 5p 1ref.
Order from SLA $1.10 TT-65-10661

Trans. of German patent application F 7154, cl 12 o, gr 2/01, by Farbenfabriken Bayer, Leverkusen, filed 15 Sep 51, pub. 16 Oct 52.

PROCESS FOR PRODUCING ACRYLONITRILE FROM HYDROGEN CYANIDE AND ACETYLENE-CONTAINING GAS MIXTURES. 5p.
Order from SLA $1.10 TT-64-30935

Trans. of German patent application B 19,500, cl 12 o, gr 21, by Badische Anilin- & Soda-Fabrik A. G., Ludwigshafen, filed 14 Mar 52, pub. 3 Sep 53.

PROCESS FOR PRODUCING NICKEL BROMIDE FROM THE ELEMENTS. 4p.
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Trans. of German patent application B 21,108, cl 12n, gr 4, by Badische Anilin- & Soda - Fabrik A. G., Ludwigshafen, filed 8 Jul 52, pub. 31 Dec 53.

PROCESS FOR PRODUCTION OF ALKALINE EARTH BOROHYDRIDES. 5p.
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Trans. of German patent application M 26,353, cl 12 i, gr 1/01, by Metallgesellschaft A.G., filed 8 Mar 55, pub. 18 Oct 56.

PROCESS FOR PRODUCTION ACRYLONITRILE. 13p.
Order from SLA $1.60 TT-64-30934

Trans. of German patent application D 10,161, cl 12 o, gr 21, by Deutsche Gold-und Silber- Scheideanstalt, Frankfurt, filed 5 Sep 51, pub. 10 Sep 53.

PROCESS FOR PRODUCTION OF ANHYDROUS SODIUM SULFIDE. 3p.
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Trans. of German patent application B 21,133, cl 12i, gr 19, by Badische Anilin - & Soda Fabrik A. G., Ludwigshafen, filed 10 Jul 52, pub. 24 Jun 54.

PROCESS FOR PRODUCTION OF BASIC MAGNESIUM CARBONATE. 3p.
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Trans. of German patent application S 31,176, cl 12 m, gr 3, by Saline Lünburg und Chemische Fabrik A. G., Lünburg, Germany, filed 22 Nov 52, pub. 8 Apr 54.

PROCESS FOR PRODUCTION OF CYANURIC CHLORIDE. 4p.
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Trans. of German patent application F 16,448, cl 12 p, gr 10, by Farbenfabriken Bayer A. G., Leverkusen, filed 24 Dec 54, pub. 12 Jan 56.

PROCESS FOR PRODUCTION OF ETHYLENE FLUORIDES. 5p.
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Trans. of German patent application F 6417, by Farbwerke Höchst, Frankfurt-Höchst, filed 14 Jun 51, pub. 23 Jul 53.

PROCESS FOR PRODUCTION OF HYDROGEN BY CONVERSION OF CARBON MONOXIDE. 8p.
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Trans. of German patent application D 11,797, cl 12 i, gr 1/01, by Deutsche Gold-und Silber-Scheidenstalt, Frankfurt, filed 12 Mar 52, pub. 7 Jan 54.

PROCESS FOR PRODUCTION OF POLYGLYOXAL. 4p.
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Trans. of German patent application B 3,040, cl 12o, gr 7/03, by Badische Anilin- & Soda-Fabrik A. G., Ludwigshafen, filed 20 Mar 45, pub. 14 Jun 51.

PROCESS FOR PURIFICATION OF ADIPONITRILE. 3p.

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Trans. of German patent application B 22,576, cl 12o, gr 11, by Badische Anilin- & Soda-Fabrik A. G., Ludwigshafen, filed 23 Oct 52, pub. 7 Oct 54.

PROCESS FOR PURIFICATION OF SILICON. 5p.

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Trans. of German patent application H 15,776, cl 12 i, gr 38, by W. C. Heräus G. m. b. H., Platinschmize, Hanau, filed 19 Mar 53, pub. 2 Feb 56.

PROCESS FOR STABILIZING HYDRIDES. 4p.

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Trans. of German patent application F 14,286, cl 12 i, gr 1/01, by Farbwerke Höchst A. G., Frankfurt-Höchst, filed 24 Dec 52, pub. 27 Jan 55.

PROCESS FOR SYNTHESIS OF HYDROGEN CYANIDE FROM CARBON MONOXIDE AND AMMONIA. 7p.

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Trans. of German patent application D 9614, cl 12 k, gr 9, by Deutsche Gold- und Silver-Scheideanstalt Frankfurt, filed 21 Jun 51, pub. 6 Nov 52.

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Order from SLA $1.10 TT-65-10581

Trans. of Belgian patent 454,540, by Donau Chemie A. G., Vienna, filed 25 Feb 44, granted 31 Mar 44 (Priority: Germany, appl. D 89,511 IVd/12 o, 18 Dec 42).

PROCESS FOR THE PRODUCTION OF HYPOCHLOROUS ACID. (Procede pour la preparation d'acide hypochloreux.) 6p (foreign text included).

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Trans. of French patent 886, 597, cl 1, gr 14, by Chlorator, Germany, filed 6 Oct 42, granted 5 Jul 43, pub. 15 Oct 43. (Priority: Germany, 5 Nov 41)

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Trans. of French patent 1,156,356, by Pechiney, filed 13 Jul 56, granted 16 Dec 57, pub. 14 May 58.

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Trans. of Italian patent 546,379, cl XVII, by Compagnia Italiana Petrolio S. p.a., filed 10 Nov 55, granted 18 Jul 56.

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Order from SLA $1.10 TT-65-10538

Trans. of Belgian patent 547,874, by Solvay et Cie., Brussels, filed 16 May 56, granted 16 Nov 56.

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Trans. of Societé Belge de l' Azote et des Produits Chimiques du Marly. Rapports, Bilan et Compte de Pertes et Profits, n.d., Technical Rept-50.

PRODUCTION OF ALKYLENE DIISOCYANATES BY PHOSGENATION OF CARBAMATES. 5p 1ref.

Order from SLA $1.10 TT-64-30867

Trans. of German patent application F 11,560, cl 12 o, gr 22, by Farbenfabriken Bayer A. G., Leverkusen, filed 11 Apr 53, pub. 23 Feb 56.

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Trans. of German patent application F 15,431, cl 12 k, gr 3, by Farbwerke Höchst A. G., Frankfurt, filed 10 Aug 54, pub. 26 Jul 56.

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Trans. of mono. (report) of I. G. Farbenindustrie, A. G., Ludwigshafen (Germany) n. d.

PRODUCTION OF ISOPROPYL ALCOHOL FROM PROPYLENE. 5p.

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Trans. of Belgian patent 545, 326, by VEB Leuna-Werke "Walter Ulbricht", Launa, Germany, 17 Feb 56.

PRODUCTION OF PROPYLENE AND BUTYLENE. 14p 1ref.

Order from SLA $1.10 TT-65-10665

Trans. of German patent application M 142, 440, cl IVd, gr 12o, by Metallgesellschaft A. G., Frankfurt a. M., appl. Sep 42.

PRODUCTION OF SILICON TETRACHLORIDE. 4p.
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Trans. of German patent application F 2916, cl 12 i, gr 38, by Farbenfabriken Bayer A.G., Leverkusen, filed 26 Apr 44, pub. 7 Feb 52.
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Trans. of Polish patent 47, 643, appl. 22 Sep 62, pub. 12 Oct 63, by Akademia Gorniczo-Hutnicza.

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Trans. of mono. The Manufacture of Aviation Gasoline in Germany, document 19, Technical Oil Mission Microfilm Reel no. 138.

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Andrich, Klöpfer, and Friedrich.
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Trans. of unidentified mono. (report) n. d.

Antipin, L. N. and Khudyakov, A. N.
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Trans. of Akad[emiya] Nauk SSSR. Dokl[ady] 1955, v. 100, no. 1, p. 93-96.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Baron, Wolfgang, and Disteldorf, Joseph.
PROCESS AND EQUIPMENT FOR THE PRODUCTION OF AMINOCARBONITRILES. 11p.
Order from SLA $1.60 TT-65-10679

Trans. of German patent 1, 064, 952, cl 12q, gr 6/01, internat. cl. C 07 c, by Bergwerksgesellschaft Hibernia A. G., filed 12 Jun 57, granted and pub. 10 Sept 59, appl. B 44, 962 IVb/12q.

Basilewsky, Alexis.
PROCEDURE AND APPARATUS FOR THE PRODUCTION OF HIGHLY CONCENTRATED CAUSTIC LYE SOLUTIONS BY DECOMPOSITION OF AMALGAMS

(Procede et Dispositif pour la Production de Lessives Caustiques a Forte Concentration par Decomposition d' Amalgames). [11p] (foreign text included).
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Trans. of Canadian patent 449,687, filed 12 Dec 45, as 535,265, granted 6 July 48 (Priority: Belgium, 18 Feb 44)

Beilin, M.I., Emelyanov, D.S. and others.
ESSAIS INDUSTRIELS DU SECHEUR MODELE Kh.G.I. EN COUCHE FLUIDISEE. Org.54-1002-63 I.56-42338.
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Trans. in French of *Koks i Khimiya (USSR) 1963, no.8, p.14-19.

Burger.
REMOVAL OF THE SILICIC ACID FROM THE CRUDE BUTINDIOL SOLUTION. 10p 1ref.
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Trans. of mono. (report) of I. G. Farbenindustrie, A. G., Ludwigshafen (Germany) 27 Nov 44 (Technical Oil Mission Reel 27, Bag 2077-18, Frames 18..154-18..163).

Bykov, A.N.
METHODE DE DETERMINATION DU TASSEMENT VERTICAL DU SAUMON DE COKE. Org.54-1013-63 K.10-42341.
Order from CNRS G/R-2698

Trans. in French of #Koks i Khimiya (USSR) 1963, no.8, p.27-30.

Carlo, Paoloni and Pietro, Pennetti.
ARRANGEMENT FOR THE DECOMPOSITION OF SODIUM OR POTASSIUM AMALGAM IN MERCURY CELLS TO OBTAIN CAUSTIC SODA OF HIGH CONCENTRATION. 6p.
Available on loan from SLA TT-65-10588

Trans. of Italian patent 491,942, cl XXIV, by Rumianoa Societa per Azioni, filed 2 July 52, granted 13 Mar 54.

Chvierook, V. P.
METHOD OF PURIFYING SOLUTIONS OF CAUSTIC SODA. 2p.
Order from SLA $1.10 TT-65-10634

Trans. of Russian patent 129,192, filed 24 July 59 as no. 634,625, pub. 1960.

Conforto, Gaetano.
VERTICAL ALKALI AMALGAM DECOMPOSERS (Vertikale Alkaliamalgamzersetzungszelle). 10p (foreign text included).
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Trans. of German patent 964,675, cl 121, gr 12, internat. cl C Old, by Pintsch Bamag, A. G., granted 16 May 57, pub. 29 May 57, in force since 16 July 55, appl. P 14, 491 IV a/ 12, 13 Dec 56 (Priority: Italy, 1 Oct 54.)

Cordier, Paul.
PROCESS FOR ELIMINATING ORGANIC MATERIALS RETAINED ON ION-EXCHANGERS. 3p.
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Trans. of French patent 1,184,272, filed 12 Oct 57, granted 2 Feb 59, pub. 20 Jul 59.

Cowie, Chas. T. Y.
ANTI-OXIDANT. 3p.
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Trans. of German patent application I 4186, cl 23 b, gr 1/05, by Imperial Chemical Industries, Ltd., London, filed 25 May 51, pub. 1 July 54 (priority: Gt. Brit., 25 May 50).

Crabbe, Rene and Clement, Jean.
PROCESS FOR THE AUTOMATIC CONTROL OF FLUID FLOW IN INSTALLATIONS FOR THE ELECTROLYSIS OF AQUEOUS ALKALI OR ALKALINE EARTH SOLUTIONS OPERATING ACCORDING TO THE MERCURY METHOD. [11p] (1 fig omitted) 1ref.
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Trans. of German patent 1,061,755, cl 12 1, gr 10, internat. cl C 01 d, appl. S 52,500, cl IVa, gr 121, by Solvay et Cie., Brussels, filed 26 Feb 57, granted 23 July 59 (Priority: Belgium, 30 Apr 56).

Crabbe, Rene and Clement, Jean.
PROCESS FOR PRODUCTION OF CONCENTRATED AQUEOUS ALKALI SOLUTIONS BY DECOMPOSITION OF ALKALI METAL AMALGAMS. 4p (2 figs omitted) 2refs.
Order from SLA $1.10 TT-65-10561

Trans. of German patent 1,002,298, by Solvay & Cie., Brussel, filed 17 Jan 56, granted 14 Feb 57 (Priority: Belgium, 24 Mar 55).

Deprez, Charles.
ANODE FOR ELECTROLYSES OF SOLUTIONS. 5p (5 figs omitted).
Order from SLA $1.10 TT-65-10710

Trans. of German patent 943,404, cl 12 h, gr 2, by Solvay & Cie., Brussels, granted 17 May 56.

Deprez, Charles and Clement, Jean.
ANODE. 3p (2 figs omitted)
Order from SLA $1.10 TT-65-10560

Trans. of German patent 965,226, cl 12 h, gr 2, internat. cl B 01 k, by Solvay & Cie., Brussels, filed 20 Dec 56, granted 23 May 57, pub. 6 Jun 57, in force as of 17 Apr 55, addition to German patent 943,404, granted 4 May 54 (Priority: Belgium, 29 May 54).

Deprez, Charles, Crabbe, Rene, and Clement, Jean.
ALKALI AMALGAM DECOMPOSER (Alkaliamalgamzersetzer). 8p (foreign text included)
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Trans. of German patent 1,010,516, cl 121, gr 12, internat. cl C 01 d, by Solvay & Cie., Brussels, pub. Jun 57, appl. S 463,000, 8 Nov 55 (Priority: Belgium, 24 Dec 54).

Deprez, Charles, Crabbe, Rene, and Clement, Jean.
DEVICE FOR DECOMPOSING ALKALI AMALGAM. 5p.
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Trans. of German patent 1,020,966, cl 12 1, gr 12, internat. cl C 01 d, by Solvay & Cie, Brussels, filed 8 Nov 55, granted 19 Dec 57, suppl. to patent 1,010,516 appl. S 46,301 IVa/12 1 (Priority: Belgium, 8 Apr 55).

Dykyj, J., Klucorsky, P., Haspra, J., and Ondrus, I.
HIGH TEMPERATURE CHLORINATION OF PROPYLENE IN A CYCLONE FAN REACTOR. 8p (figs refs tables omitted)
Order from SLA $1.10 TT-62-10302

Trans. of Chem[icky] Prumysl (Czechoslovakia) [1961] v. 11(36) [no. 6] p. 281-284.
Another trans. is available from ICE in v. 2, no. 1, $15.00/year.

Ebert, Hans, Harmsen, Ernst, and Grapentin, Kurt.
METHOD AND EQUIPMENT FOR MANUFACTURE OF ANHYDROUS AND PRACTICALLY MAGNESIUM OXIDE-FREE MAGNESIUM CHLORIDE. 9p.
Available on loan from SLA TT-65-10500

Trans. of German patent 1,109,156, cl 12m, gr 3, internat. cl C01 f, by Knapsack-Griesheim, A. G., filed 5 May 59, granted 18 Jan 62.

Forbes, Sydney.
ROW OF ELECTROLYTIC CELLS. 12p (12 figs omitted).
Order from SLA $1.60 TT-65-10559

Trans. of German patent 1,007,744, by Columbia-Southern Chemical Corp., Pittsburgy, Pa., filed 12 Jul 55, granted 9 May 57. (Priority: USA, 12 Jul 54.)

Frech, Kenneth J.
PROCEDURE FOR CRACKING OLEFINS. 17p.
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Trans. of French patent 821,306, by Goodyear Tire & Rubber Co., USA, granted 5 Dec 60.

Frey, Max, Kandler, Ludwig, and Vogt, Hans.
DEVICE TO USE THE ELECTRICAL ENERGY PRODUCED BY THE DECOMPOSITION OF ALKALI AMALGAMS. 5p (2 figs omitted)
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Trans. of German patent 1,017,600, cl 12 1, gr 12, internat. cl C 01 d, by Ludwig Kandler and Hans Vogt, filed 9 July 55, granted 17 Oct 57, appl. K 26298 IV a/12 1 (Addition to patent 1,009,172, appl. K 23651 IV a/12 1).

Fruhwirth, Otto.
METHOD FOR PRODUCING HEXACHLOROBENZENE. 4p.
Order from SLA $1.10 TT-65-10533

Trans. of German patent 729,904, by Donau Chemie A.G., granted 29 Aug 40.

Fujii, Keisuke and Oki, Rin.
MAGNESIUM ELECTROLYTIC CELL. 7p (foreign text included).
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Trans. of Japanese patent publication Showa 33-4708, by Asahi Kasei Kogyo Kabushiki Kaisha, filed 30 July 57, pub. 17 Jun 58, appl. Showa 32-18707, 1957.

Gel'perin, N. I., Ainshtein, V. G., and Romanova, N. A.
HYDRAULICS AND HEAT EXCHANGE IN FLUIDIZED BED WITH A VERTICAL SET OF TUBES (Gidravlika i Teploobmen v Psevdoozhizhennom Sloe s Vertikal'nym Puchkom Trub)
B. Bergmanis, tr. [28p] (foreign text included) 25refs [CSIRO] Trans. 6860.
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TT-64-19896

Trans. of Khimicheskaya Promyshlennost' (USSR) 1962, no. 11, p. 781-788.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Görrig, Dieter.
METHOD FOR THE DEHYDROGENATION OF HYDROCARBONS. 5p 3refs.
Order from SLA $1.10 TT-65-10579

Trans. of German patent 1,064,496, by Farbenfabriken Bayer A. G., granted 25 Feb 60.

Görrig, Dieter, Jonas, Heinz, and Moschel, Wilhelm.
METHOD FOR THE POLYMERIZATION OF LOW MOLECULAR WEIGHT ALIPHATIC HALOGENATED OLEFINS. 7p.
Order from SLA $1.10 TT-65-10638

Trans. of German patent 935,867, cl 39c, gr 25/01, n. d.

Grüss, Heinz.
METHOD FOR THE PREPARATION OF CARBON COMPOUNDS CONTAINING FLUORINE. 6p 1ref.
Order from SLA TT-65-10637

Trans. of German patent 896,641, cl 12o, gr 19/02, n. d.

Grusz, Heinz.
PROCESS AND APPARATUS FOR THE PRODUCTION OF PERFLUOROETHYLENE. 11p (2 figs omitted).
Order from SLA $1.60 TT-65-10592

Trans. of German patent 887,642, filed 11 Dec 52, granted 16 July 53, in force 4 Mar 50.

Guyer, A.
BENZENE FROM ETHYLENE/ACETYLENE. REPT. 5. CYCLISATION OF ETHYLENE/ACETYLENE OVER SILICON CATALYST. PT. I. 19p.
Order from SLA $1.60 TT-65-10103

Trans. of Swiss Federal Institute of Technology. Department of Industrial and Engineering Chemistry. Rept-5, 25 Nov 61.

Guyer, A.
POLYMERIZATION OF 1-BUTENE. REPT. 3. EFFECT OF POLYMERIZATION TEMPERATURE AND SOLVENT ON THE CRYSTALLINITY OF POLYBUTYLENE 6p (2 tables omitted).
Order from SLA $1.10 TT-65-10104

Trans. of Swiss Federal Institute of Technology. Department of Industrial and Engineering Chemistry. Rept-3 4 Dec 61.

Hara, Hiromichi, Ando, Satoshi, and Kimura, Ko.
VERTICAL MERCURY-METHOD DIAPHRAGM-TYPE ELECTROLYTIC CELL. 12p (foreign text included).
Order from SLA $1.60 TT-65-10684

Trans. of Japanese patent publication Showa 34-2275, cl 15 F, gr 212.123 (13 d 12), by Kanegafuchi Boseki Kabushiki Kaisha, filed 1 May 57, pub. 9 Apr 59, appl. Showa 32-10663, 1957.

Hennes, Rene.
ELECTROLYTICAL CELL OF HORIZONTAL TYPE WITH AUTOMATIC ADJUSTMENT OF THE DISTANCE BETWEEN ANODES AND MERCURY CATHODE. 4p (2 figs omitted)
Order from SLA $1.10 TT-65-10566

Trans. of German patent 965,125, cl 12 h, gr 1, internat. cl B 01 k, by Solvay & Cie., Brussels, filed 20 Dec 56, granted 23 May 57, pub. 6 Jun 57, in force as of 22 May 55 (Priority: Belgium, 25 May 54).

[Henning].
PROCESS FOR THE PRODUCTION OF CHLORINATED HYDROCARBONS OF THE ETHYL SERIES, IN PARTICULAR TRICHLOROETHYLENE AND PERCHLOROETHYLENE, STRESSING ECONOMICAL CHLORINE UTILIZATION. 5p.
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Trans. of mono. (report), [Verfalren zur Herstellung von Chlorierten Kohlen-Wasserstoffen der Athylenreihe insbesondere trichloräthylen und perchloräthylen mit den ziel einer Rationellen chlor-ausnutzung, n.p., Jul 42] (PB-30,437t).

Herold, Paul, and Sennewalt, Kurt.
METHOD FOR OBTAINING ETHYLENEDIAMINE FROM ITS SALTS. 5p.
Order from SLA $1.10 TT-65-10552

Trans. of German patent 635,397, by I. G. Farbenindustrie A. G., patented 28 Mar 35.

Holub, J.
SECHAGE THERMIQUE DU CHARBON ET SON INFLUENCE. Org.54-1001-63 42.358 I-56.
Order from CNRS G/X-958

Trans. in French of Paliva (Czechoslovakia) 1963, v.43, no.9, p.268-272.

Ivanov, M. E.
CALCULATION OF THE PROCESS OF VAPOUR CONDENSATION FROM A VAPOUR-GAS MIXTURE (Raschet Protsessa Kondensatsii Para: z Paro-gazovoi Smesi). Oct 64 [24p] 12refs RTS-2406.
Order from OTS or ETC HC $1.00, MF $0.50 TT-65-60349

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR) 1961, no. 9 [p. 644-650].
Another trans. is available from ICE in v. 2, no. 2, $15.00/year

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Jurkiewicz, J., Niewiadomski, T., and Rosinski, S.
LE MECANISME DE LA CONDUCTION ET DE LA COKEFACTION. Org.72-702.
Order from CNRS G/X-932

Trans. in French of Koks, Smola, Gaz (Poland) 1962, v.7, no.6, p.219-226.
Another trans. is available in German from TIB $1.40.

Justi, Edward, Scheibe, W., and Winsel, A.
DOUBLE SKELETON CATALYST ELECTRODE. 5p 7refs.
Order from SLA $1.10 TT-65-10555

Trans. of German patent 1,019,361, by Ruhrchemie A. G., and Oberhausen-Holten and Steinkohlen-Elektrizitat A. G., Essen, filed 23 Oct 54, pub. 14 Nov 57.

Kanavets, P.I., Melentev, P.N. and others.
GRANULATION PREALABLE AU MAZOUT DES PATES A COKE. Org.54-1000-63 K.13-42337.
Order from CNRS G/R-2699

Trans. in French of #Koks i Khimiya (USSR) 1963, no.8, p.10-14.

Kanzaki, Kazuo.
METHOD FOR DEAMALGAMATION IN THE MERCURIAL METHOD ALKALI SALT ELECTROLYSIS. 4p.
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Trans. of Japanese patent publication Showa 34-10619, cl 15 F, gr 212.123 (13 D 111), by Zaidan Hojin Noguchi Kenkyujo, filed 20 Aug 57, pub. 10 Dec 59, appl. Showa 32-20472, 1957.

Kandler, Ludwig and Vogt, Hans.
DEVICE TO USE THE ELECTRICAL ENERGY PRODUCED BY THE DECOMPOSITION OF ALKALI AMALGAMS. 8p 4refs.
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Trans. of German patent 1,009,172, cl 12 1, gr 10, internat. cl C 01 D, pub. 29 May 57, appl. K 23,651 IVa/121, 7 Oct 54.

Kaufman and Welz.
THE AROBIN PROCESS WITH FLOW DIAGRAM. 20p.
Order from SLA $1.60 TT-65-10701

Trans. of mono. The Manufacture of Aviation Gasoline in Germany, documents 17 and 18, Technical Oil Mission Microfilm Reel no. 138.

Kawakami, Masuo.
APPARATUS FOR MANUFACTURING ALKALI BY CIRCULATORY MERCURY ELECTRODE. 7p (foreign text included)
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Trans. of Japanese patent publication Showa 34-2311, cl 15 F, gr 212.123, filed 24 June 57, pub. 11 Apr 59, appl. Showa 32-15554, 1957.

Klöpfer.
CONTINUOUS PREPARATION OF SODIUM CYANIDE FROM SODA, CARBON AND NITROGEN IN A PIT FURNACE OF 100 mm INSIDE DIAMETER: SODIUM CYANIDE FROM SODA, CARBON AND NITROGEN.-PIT FURNACE HYDROCYANIC ACID.-NaCN FROM Na, CO_2, C, N.-PIT FURNACE. 6p 1ref
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Trans. of unidentified German mono. (report) no. 2499/A, 1941? [PB-75811].

Klöpfer.
LIBERATION OF HYDROCYANIC ACID FROM SODIUM CYANIDE BY CARBON DIOXIDE MANUFACTURE OF HYDROCYANIC ACID FROM THE PRODUCTS OF CYANIDE SYNTHESIS WITH SODA, CARBON AND NITROGEN; HYDROCYANIC ACID FROM CYANIDE (BUCHER PROCESS) CO_2; BUCHER METHOD FOR THE MANUFACTURE OF HCN. 5p.
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Trans. of unidentified German mono. (report) no. 2211/A [Feb 41 (PB-75807)].

Klöpfer.
PREPARATION OF SODIUM CYANIDE FROM SODA, CARBON AND NITROGEN; EXPERIMENTS WITH A PIT FURNACE OF 80 mm INSIDE DIAMETER; SODIUM CYANIDE FROM SODA, CARBON AND NITROGEN. 9p.
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Trans. of unidentified German mono. (report) no. 2273/A [30 May 41 (PB-75809)].

Klöpfer.
PREPARATION OF SODIUM CYANIDE FROM SODA, CARBON AND NITROGEN: SODIUM CYANIDE MANUFACTURE--BUCHER METHOD. 8p.
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Trans. of unidentified German mono. (report) No. 2177/A [Dec 40 (PB-75806)].

Klöpfer.
ROTATING TUBE EXPERIMENTS FOR THE PREPARATION OF SODIUM CYANIDE FROM SODA, CARBON AND NITROGEN. 7p.
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Trans. of unidentified German mono. (report) No. 2389/A, 1941? [PB-75810].

Kondelik, P. and Kloubek, J.
MESURE DE L'EFFICACITE DES MOUSSES DE FLOTTATION. Org.2-IRSID-2227 P.112.
Order from CNRS G/X-955

Trans. in French of Chemicke Listy (Czechoslovakia) 1962, v.56, p.382-389.

Kuznetsov, M.D. and Lyannaya Z.G.
INFLUENCE DE L'HUMIDITE DE LA PATE SUR LE REFROIDISSEMENT DU GAZ DE FOURS A COKE. Org.54-1067-63 K.40-42052.
Order from CNRS G/R-2702

Trans. in French of #Koks, Smola, Gaz (Poland) 1963 [v. 8] no. 7, p. 38-41.

Levkovich, G. A., Livshits, B. R., Korf, E. I., Geinish, M. P., and Borgayrev, P. M.
METHOD OF PURIFICATION OF TECHNICAL DIPHENLENEPROPANE. 3p.
Order from SLA $1.10 TT-65-10621

Trans. of Russian patent 132,813, cl 39 c, gr 16, filed 13 Feb 60, appl. no. 654,398/23, pub. 1960.

Litvinenko, G.Kh., Suslikov, A.D., and Garan, F.A.
AUTOMATISATION DU DISPOSITIF DE CLASSEMENT ET DE DISTRIBUTION DU COKE. Org.54-984-63 K.26-41653.
Order from CNRS G/R-2701

Trans. in French of #Koks i Khimiya (USSR) 1963, no.6, p.27-31.

Marullo, Gerlando and Agamennone, Marco.
PROCESS FOR PRODUCING ACROLEIN AND METACROLEIN FROM OLEFINS AND OXYGEN. [15p] 2refs.
Order from CTS(Chem) $10.40 CTS(Chem)-365
subsequent copies $1.75/ea.

Trans. of la Chimica e l'Industria (Italy) 1964, v. 46, no. 4, p. 376-381.

Mekenitskaya, L. I. and Kusakov, M. M.
SELECTIVE SOLID SURFACE WETTING BY PETROLEUM IN FUNCTION OF THE pH IN WATER PHASE. 9p 11refs.
Order from SLA $1.10 TT-62-20399

Trans. of Trudy Neftyanogo Instituta [sic] (USSR) 1955, no. 4, p. 148-155.

Messner, Georg.
VERTICALLY ARRANGED MERCURY CATHODE FOR ELECTROLYSIS OF SALT SOLUTIONS. 6p.
Order from SLA $1.10 TT-65-10549

Trans. of German patent 692,954, cl 12h, gr 2, by I. G. Farbenindustrie A. G., Frankfurt/Main, granted 6 Jun 40, pub. 29 Jun 40, effective in Germany as of 21 Mar 37, appl. I 57,482 IVb/12h.

Minisci, F. and Galli, R.
REACTIVITY OF AMINO RADICALS. NOVEL SYNTHESIS OF N-NITROSAMINES. [4p] 3refs.
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subsequent copies $0.50/ea.

Trans. of la Chimica e l'Industria (Italy) 1964, v. 46, no. 2, p. 173.

Minisci, Francesco.
FREE-RADICAL REACTIVITY OF N-CHLORAMINES. ON THE MECHANISM OF THE HOFMANN-LÖFFLER REACTION CATALYZED BY FERROUS SALTS. [5p] 4refs.
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Trans. of la Chimica e l'Industria (Italy) 1964, v. 46, no. 1, p. 57.

Minisci, Francesco and Galli, Remo.
EFFECT OF THE ELECTROPHILIC CHARACTER ON THE REACTIVITY OF AMINO RADICALS: AFFINITY TOWARD OLEFINS. [8p] 20refs.
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subsequent copies $1.20/ea.

Trans. of la Chimica e l'Industria (Italy) 1964, v. 46, no. 5, p. 546-548.

Neshchadim, A. G.
DESTRUCTION OF CELLULAR STRUCTURE DURING PREPARATION OF OIL SEEDS TO EXTRACTION.
Gail Bremenstul, tr. 8p 7refs.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60239

Trans. of Masloboino-Zhirovaya Promyshlennost' (USSR) 1962, v. 28, no. 4, p. 17-19.

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Nishiba, Yoshiji, Kato, Eizo, Sabo, Matao, and Morosumi, Takumi.
ELECTROLYTIC CELL FOR HALOGEN ACID SALTS. 8p (foreign text included).
Order from SLA $1.10 TT-65-10519

Trans. of Japanese patent publication Showa 34-3768, by Hodogaya Kagaku Kogyo Kabushiki Kaisha, filed 17 Jan 57, pub. 20 May 59, appl. Showa 32-777, 1957. Another trans. is available from INT $16.50 as TT-63-27223 [6p].

Oda, Kenichi, Kanzaki, Kazuo, and Shimura, Tomoo.
MERCURY TYPE ALKALI SALT ELECTROLYTIC CELL. 10p.
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Trans. of Japanese patent publication Showa 434-6619, cl 15 F 212.123, by Zaidan Hojin Noguchi Kenkyuj; Tokyo, filed 22 Nov 57, pub. 31 Jul 59, appl. Showa 32-29102, 1957.

Ovcharenko, V. E.
EVALUATION OF THE EFFECTIVENESS OF EXTRACTION OF FATTY SUBSTANCES (Ob Otsenke Ekstragiruemosti Maslichnikh Materialov). Sep 64 [10p] 5refs RTS-2447.
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TT-64-19967

Trans. of Maslob[oino]-Zhir[ovaya] Prom[yshlennost'] (USSR) 1962, v. 28, no. 6, p. 11-13.

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Paoloni, Carlo and Pennetti, Pietro.
DEVICE FOR THE DECOMPOSITION OF SODIUM OR POTASSIUM AMALGAMS IN A MERCURY CELL TO OBTAIN CAUSTIC SODA AT HIGH CONCENTRATIONS 3p.
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Trans. of Italian patent 508,233, cl XXIV, by Rumianoa Societa per Azione, filed 18 July 53, granted 5 Jan 55, first addition to patent 491,942.

Pegoraro, M. and Zelinger, J.
DIELECTRIC PROPERTIES OF ISOTACTIC POLYPROPYLENE. [11p] 8refs.
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Trans. of la Chimica e l'Industria (Italy) 1964, v. 46, no. 3, p. 258-262.

Platz, Rolf, and Kröper, Hugo.
PROCESS FOR THE SEPARATION OF ISOBUTENE FROM GAS. 6p.
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Trans. of Belgian patent 600,026, by Badische Anilin & Soda Fabrik, A. G., Ludwigshafen, pub. 9 Feb 61 (Priority: Germany, appl. B 56,612. 11 Feb 60.)

Popp, Bernhard.
PROCESS FOR THE PREPARATION OF ACETIC ACID FROM CO AND METHANOL. 4p.
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Trans. of German patent application P 6,343, cl 12o, gr 12, by Frankfurt/M-Unterliederbach, filed 17 Oct 51, pub. 2 Dec 54.

Porri, L., Natta, G., and Gallazzi, M. C.
POLYMERIZATION OF BUTADIENE AND CYCLO-OLEFINS WITH π-ALLYLNICKEL BROMIDE. [5p] 19refs.
Order from CTS(Chem) $5.00 CTS(Chem)-366
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Trans. of la Chimica e l'Industria (Italy) 1964, v. 46, no. 4, p. 428-429.

Rasche, Wilhelm.
ENCLOSURES FOR DIAPHRAGM ELECTROLYSIS CELLS. 5p (3 figs omitted).
Order from SLA $1.10 TT-65-10567

Trans. of German patent 1,011,855, filed 2 Aug 55, granted 11 July 57, appl. B 36,709 IVa/12h.

Reppe, W.
EXPERIMENTS ON THE PREPARATION OF ACRYLIC ACID AND ACRYLIC ACID ESTER (Versuche zur Darstellung von Acrylsäure und Acrysäureester). Activity of Dr. Reppe in the Main Lab., Ludwigshafen, until his promotion as Director of the Main Lab. [23p] 24refs
Order from SLA $2.60 TT-64-20305

Partial trans. of mono. (report) of I. G. Farbenindustrie A. G., Ludwigshafen (Germany) n.d. Chemical Research Reports. Part V (in PB 105489).

Roland, Charles T. and Ralston, Paul H.
METHOD FOR THE PREPARATION OF SODIUM CHLORIDE BRINES OF HIGH PURITY (Verfahren zur Herstellung von Natriumchlorid-Splen Hohen Reinheitsgrades). 15p (foreign text included).
Order from SLA $1.60 TT-65-10677

Trans. of German patent 951,003, cl 12 i, gr 2, Internat. cl C 01 d, by Johann A. Benckiser G.m.b.H., Chemische Fabrik, Ludwigshafen, pub. 27 Sep 56, appl. B 33.377 IV a/12 i, 26 Apr 56, in force since 13 Nov 53 (Priority: U.S., 16 Nov 53 and 22 Oct 54).

Roser.
THE SCHKOPAU EXPLOSION OF NOVEMBER 10, 1940. 5p
Order from SLA $1.10 TT-64-20454

Trans. of mono. (report) of I. G. Farbenindustrie, A. G., Schkopau (Germany) 10 Nov 40 (in PB-73566).

Sasaki, Noburo.
THE ELIMINATION OF CHLORINE FROM SODIUM CHLORIDE IN THE ELECTROLYTIC CELL BY ULTRASONIC WAVE IRRADIATION. [20p] (foreign text included).
Order from SLA $1.60 TT-65-10048

Trans. of Tanken (Japan) 1957, v. 8, no. 3, p. 65-70.

Schirmer, Robert, Voit, Heinrich, Hartmann, Rudolf, König, Josef, Ziemer, Waldemar, and Thumult, Otto.
DEVICE FOR RESETTING THE ANODES IN ALKALI CHLORIDE ELECTROLYTIC CELLS. 11p 4refs.
Order from SLA $1.60 TT-65-10557

Trans, of German patent 1,010,955, cl I 21, gr 10, internat. cl C0 1d, By Farbwerke Höchst A. G., Frankfurt/M., Germany, granted 27 Jun 57, appl. F 19,676, IV a/121, 3 Mar 56.

Schmitz-Josten, Robert.
PROCESS FOR THE PREPARATION OF ACRYLIC ACID. 4p.
Order from SLA $1.10 TT-64-30921

Trans. German patent application F 9,973, cl 12o, gr 21, by Farbenfabriken Bayer A. G., Leverkusen-Bayerwerk, filed 24 Sep 52, pub. 9 Dec 54.

Schönemann, Karl, and Rinn, Karl.
PROCESS FOR PRODUCING BUTADIENE FROM METHANOL AND ACETYLENE. 4p.
Order from SLA $1.10 TT-65-10674

Trans. of German patent application P 54,857, cl IVd, gr 12o, filed Sep 49.
Another trans. is available from RIS $6.00 as RIS-95854 [4p].

Schuster and Keller.
[EXPERIMENTS ON THE PREPARATION OF ACRYLIC ACID AND ACRYLIC ACID ESTER]. I. PREPARATION OF NICKEL CARBONYL FROM AMMONIACAL NICKEL CHLORIDE SOLUTION (Versuche zur Darstellung von Acrylsäure und Acrylsäureester, I. Über die Gewinnung von Nickelcarbonyl aus Ammoniakalischer Nickelchloridlösung). [6p] (4 figs omitted)
Order from SLA $1.10 TT-64-20302

Trans. of mono. (report) of I. G. Farbenindustrie A. G., Ludwigshafen (Germany) 21 Apr 41. Chemical Research Reports. Part I (in PB-105489).

Schuster and Keller.
EXPERIMENTS ON THE PREPARATION OF ACRYLIC ACID AND ACRYLIC ACID ESTER (Versuche zur Darstellung von Acrylsäure und Acrylsäureester). II. PROCESSING OF CRUDE SOLUTIONS OF ACRYLIC ACID ETHYL ESTER OF FORMULATIONS MADE WITH HYDROCHLORIC ACID. [14p]
Order from SLA $1.60 TT-64-20303

Trans. of mono. (report) of I. G. Farbenindustrie A. G., Ludwigshafen (Germany) 21 Jan 40. Chemical Research Reports. Part II (in PB 105489).

Schuster and Keller.
EXPERIMENTS ON THE PREPARATION OF ACRYLIC ACID AND ACRYLIC ACID ESTER. III. (Versuche sur Darstellung von Acrylsäure und Acrylsäureester). [21p] 21refs
Order from SLA $2.60 TT-64-20301

Trans. of mono. (report) of I. G. Farbenindustrie A. G., Ludwigshafen (Germany) 6 July 40. Chemical Research Reports. Part III (PB 105489)e, no. 49).

Shibata, H.
METHOD OF PROTECTING ELECTROLYTIC CELL OF SODIUM CHLORIDE SOLUTION BY PROTECTIVE COATING. 3p (foreign text included).
Order from SLA $1.10 TT-65-10577

Trans. of Japanese patent publication Showa 34-5581, filed 15 Dec 56, granted 29 Jun 59, appl. Showa 31-31450, 1956.

Shimazu, Kosei and Shibata, Kenji.
METHOD FOR PREVENTING BUBBLES IN WATER ELECTROLYTIC APPARATUS. 5p (foreign text included).
Order from SLA $1.10 TT-65-10521

Trans. of Japanese Patent publication Showa 35-15682, cl 13 D 111 (14 C 21), by Showa Electric Industry Co., Ltd., filed 15 Aug 58, pub. 19 Oct 60, appl. Showa 33-23165, 1958.

Sogomonyan, M. S., Manafov, B. M., Klitsa, E. L., Volkov, G. I., and Sverdlov, R. Sh.
METHOD OF ELECTROLYSIS OF CHLORIDE SOLUTIONS OF ALKALI METALS. 3p.
Order from SLA $1.10 TT-65-10541

Trans. of Russian patent 128,853, cl 12 h, gr 1, filed 16 Jul 59.

Spoun, Friedrich.
PROCEDURE AND APPARATUS FOR THE CONTINUOUS DECOMPOSITION OF ALKALI AMALGAMS (Verfahren und Vorrichtung zur Kontinuierlichen Zersetzung von Alkaliamalgamen). 12p (foreign text included) 1ref.
Order from SLA $1.60 TT-65-10562

Trans. of German patent 1,020,962, cl 12 g, gr 1/01, internat. cl B 01 j, C 01 d, by Farbwerke Höchst, A.G., Frankfurt/Main, granted 19 Dec 57, appl. F 16996 IVa/ 12 g, 7 Mar 55.

Starck, Dietrich.
VAPORIZATION PROCESS AND HEAT TRANSFER IN VAPORIZATION APPARATUS. 45p (22 figs 4 tables omitted) 11refs.
Order from SLA $4.60 TT-64-20554

Trans. of Ver[ein] Deut[scher] Ing[enieure]. Z[eitschrift]. Beiheft Verfahrenstechnik (Germany) 1937, no. 6, p. 175-187.

Sugino, Toshiyuki and Fukuda, Keiyu.
METHOD FOR ELECTROLYSIS OF ALKALI CHLORIDE BY MERCURIAL METHOD. 5p.
Order from SLA $1.10 TT-65-10542

Trans. of Japanese patent publication Showa 34-10344, Cl. 15F 212,123 (13D111) by Aji No Moto Kabushiki Kaisha, Tokyo, filed 5 Nov 57, pub. 25 Nov 59, appl. Showa 32-27566.

Sugiyama, Mikio.
APPARATUS FOR MERCURY-METHOD ELECTROLYSIS FOR MANUFACTURING ALKALI BY S-TYPE CENTRIFUGAL SEPARATOR. 12p (foreign text included).
Order from SLA $1.60 TT-65-10631

Trans. of Japanese patent publication Showa 34-2310, cl 15 F, gr 212.123 (13 D 12), filed 12 Feb 57, pub. 11 Apr 59, appl. Showa 32-3249, 1957.

Sukhoterin, I. S. and others
THE INDUSTRIAL PRODUCTION OF ALKYLOLAMIDES (Promyshlennoe Poluchenie Alkilolamidov). 6p 4refs RTS-2466.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19963

Trans. of Masl[oboino]-Zhir[ovaya] Prom[yshlennost'] (USSR) 1963, v. 29, no. 2, p. 29-32.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Suzuki, Osamu and Fukunaga, Tomio.
IMPROVEMENT OF DIAPHRAGM TYPE TABLE SALT ELECTROLYTIC METHOD. 12p (foreign text included)
Order from SLA $1.60 TT-65-10532

Trans. of Japanese patent publication Showa 35-3514, cl 15F 212.123 (13d 111) by Tsurumi Soda Co., Ltd., filed 29 Mar 58, pub. 13 Apr 60, appl. Showa 33-8255, 1958.

Thermet, Robert and Parvi, Ludovic.
METHOD FOR THE SIMULTANEOUS PRODUCTION OF TETRACHLORETHYLENE AND CARBON TETRACHLORIDE BY THE CHLORINATION OF PROPANE. 18p (1 fig omitted) 4refs.
Order from SLA $1.60 TT-65-10624

Trans. of German patent 1,095,268, filed 16 Apr 57, granted 22 June 61.

Tseitlin, L.A., Tarasova, T.E., and Kvasha, A.S.
PREPARATION A CHAUD DES FOURS A COKE PAR PROJECTION DE GUNITE PHOSPHATEE.
Org.54-1036-63 K.21-42050.
Order from CNRS G/R-2700

Trans. in French of *Koks i Khimiya (USSR) 1963, no.7, p.33-36.

Vielstich, Wolf.
DIAPHRAGM CELLS WITH REVERSIBLE HYDROGEN ELECTRODE AS CATHODE. 3p 2refs.
Order from SLA $1.10 TT-65-10611

Trans. of German patent 1,094,249, by Ruhrchemie A. G., and Steinkohler - Elektrizität A. G., filed 6 Apr 69, pub. 8 Dec 60.

Volkov, G. I., Shcherbak, S. K., Korchev, M. A., Pustovit, V. T., Posnyakov, P. F., and, Prikhodchenko, V. G.
HORIZONTAL ELECTROLYZER FOR THE DERIVATION OF CHLORINE AND CAUSTIC WITH A MERCURY CATHODE (Corizontal'nyi Elektolizer dlya Polucheniya Khlora i Kaustika s Rtutnym Katodom). 6p (foreign text included).
Order from SLA $1.10 TT-65-10614

Trans. of Russian patent 137,895, cl 12h/1, 12o/12, gr 43, appl. 675,439/23, 2 Aug 60.

Walther, H.
METHOD FOR THE CONTINUOUS ELIMINATION OF DISSOLVED COBALT COMPOUNDS FROM THE OXO-SYNTHESIS PRODUCTS. 4p.
Order from SLA $1.10 TT-65-10683

Trans. of German patent 1,099,519, filed 16 Jan 58, granted 16 Feb 61.

Wasilewski, Ludwik, Swatek, Stanislaw, and Gnot, Witold.
PROBLEM OF LOSS OF MERCURY IN PROCESS OF MERCURY ELECTROLYSIS OF SODIUM CHLORIDE. II. CHEMICAL LOSSES OF MERCURY IN PROCESS OF ELECTROLYTICAL PRODUCTION OF CHLORINE BY THE MERCURY METHOD (Zagadnienie Strat Rieci w Procesie Elektrolizy Rieciowej Chlorku Sodowego. II. Chemiczne Straty Rieci w Procesie Elektrolitycznej Produkcji Chloru Metodami Rieciowymi). 10p (foreign text included) 4refs.
Order from SLA $1.10 TT-65-10116

Trans. of Przemysl Chemiczny (Poland) 1961, v. [17] (40) no. 5, p. 253-255.

Weissweiler.
THEORETICAL TO THE ACETYLENE DECOMPOSITION: INFLUENCE OF INTERNAL DIAMETER AND WALL STRENGTH OF A TUBE ON THE PROPAGATION OF A DECOMPOSITION SOURCE. [12p].
Order from SLA $1.60 TT-64-20423

Trans. of mono. (report) of I. G. Farbenindustrie A. G., Ludwigshafen (Germany) 24 June 41. (Technical Oil Mission, Reel 27, Bag 2077-15, Frames 15..89-15..98).

Weschky.
[EXPERIMENTS ON THE PREPARATION OF ACRYLIC ACID AND ACRYLIC ACID ESTER. IV]. EXPERIMENTS ON THE CATALYTIC SYNTHESIS OF ACRYLIC ESTER (Versuche zur Darstellung von Acrylsaure und Acrylsaure ester. IV. Versuche zur Katalytischen Acrylestersynthese.). [25p] (some formulae omitted)
Order from SLA $2.60 TT-64-20304

Trans. of mono. (report) of I. G. Farbenindustrie A.G., Ludwigshafen (Germany) 7 July 41. Chemical Research Reports. Part IV (in PB-105489).

Wurbs, Alfred.
DEVICE FOR PERFORMANCE OF CHEMICAL REACTIONS BETWEEN AMALGAMS, ESPECIALLY SUCH OF ALKALI METALS, AND SOLUTIONS OR SUSPENSIONS OF INORGANIC OR ORGANIC COMPOUNDS. 5p (1 fig omitted) 2refs.
Order from SLA $1.10 TT-65-10563

Trans. of German patent 967,823, cl 12 g, gr 1 01, Internat. cl B 01 f, filed 22 July 54, granted 5 Dec 57, pub. 27 Dec 57, in force as of 22 July 52.

Yamashita, Shoko and Yamaguchi, Yoshio.
IMPROVEMENT OF THE HORIZONTAL-MERCURY METHOD COMMON SALT ELECTROLYTIC CELL. 5p (3 figs omitted).
Order from SLA $1.10 TT-65-10628

Trans. of Japanese patent publication Showa 34-4686, cl 15 F, gr 212.123, by Tokuyama Soda Kabushiki Kaisha, filed 24 Sep 57, pub. 5 Jun 59, appl. Showa 32-23372, 1957.

Yokota, Noriyuki and Takuda, Shingo.
A MERCURY DIFFUSION APPARATUS IN A THIN-FILM FLOW-DOWN SALT SOLUTION MERCURY METHOD ELECTROLYTIC CELL. 7p (foreign text included).
Order from SLA $1.10 TT-65-10632

Trans. of Japanese patent publication Showa 34-2661, cl 15 F, gr 212.123, by Osaka Soda Kabushiki Kaisha, filed 29 Mar 57, pub. 20 Apr 59, appl. Showa 32-7547, 1957.
Another trans. is available from OTS or ETC $1.55 as TT-61-17048, MTWL-967 [5p].

Zimmermann, Lothar, and Schwarz, Hans Georg.
PRODUCTION OF ALKALINE CYANIDE SOLUTIONS. 5p.
Order from SLA $1.10 TT-65-10620

Trans. of German patent 1,064,934, cl 12k, gr 11, internat. cl C 01 e, by Badische Anilin- & Soda-Fabrik A. G., Ludwigshafen-Rhein, filed 28 Oct 58, granted and pub. 10 Sep 59, appl. B 50,870, IVa/12k.

Zobel, Huels.
THE PURIFICATION OF ARC ACETYLENE FOR THE ALDEHYDE SYNTHESIS. 5p.
Order from SLA $1.10 TT-64-20444

Trans. of [paper presented] at the Meeting of the Buna (Synthetic Rubber) Session, Kohlhof, 29-30 Jul 44.

Civil Engineering

REPORT OF INVESTIGATIONS ON THE CAUSES OF DISINTEGRATION OF CONCRETE IN HYDRAULIC STRUCTURES. 1930 [40p] (figs omitted).
Order from SLA $3.60 TT-64-14241

Trans. from Royal Board for Water Developments, Stockholm (Sweden). Technical Bulletin-16, Jul 29.

STATE COMMITTEE FOR BUILDING OF THE SOVIET OF MINISTERS OF THE USSR BUILDING STANDARDS AND REGULATIONS, PT. II, SECT. A, CHAP. 11: LOADS AND EFFECTS (DESIGN STANDARDS) (SNIP II-A.11-62). Aug 64 [44p] RTS-2517.
Order from OTS or ETC HC $2.00, MF $0.50
TT-65-19958

Trans. of mono. [Gosudarstvennyi Komitet po Delam Stroitel'stva]. Stroitel'nye Normy i Pravila, pt. 2, sect. B, chap. 11, Nagruzki i Vozdeistviya; Normi Proektirovaniya, Moscow, 1962.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

TRANSACTIONS OF THE JAROSLAV CERNI INSTITUTE FOR DEVELOPMENT OF WATER RESOURCES, 1964, VOL. 11, NO. 31
V. Skerl and K. Stankovic, trs. 1964, 67p PL-480 Int.
Order from OTS HC $3.00 TT-64-11459/2

Trans. of Institut za Vodoprivredu "Jaroslav Cerni". Saopstenja (Yugoslavia) 1964, v. 11, no. 31, p. 1-67.

For table of contents see the "Periodicals Translated Cover-to-Cover" section of this issue.

Borkowski, M. P.
DOUBLY CURVED THIN SLAB STRUCTURES. [33p].
Order from SLA $3.60 TT-61-18943

Trans. from Institute of Building Research, Warsaw. Research and Scientific Studies, Series E: Building Construction (Poland) 1949, no. 5.

Jarocki, Walenty.
COMPUTATION OF BRIDGE SPANS AND CULVERTS
Jerzy Dlutek, tr. 1964, 360p 38refs PL-480 Int.
Order from OTS HC $3.50 TT-60-21565

Trans. of mono. Obliczanie Otworow Mostow i Przepustow, Warsaw, 1955 [302p].

Electrical and Electronic Engineering

APPROXIMATE CALCULATION OF THE CAPACITY OF RADIO CHANNELS WITH RANDOM PARAMETERS. [54p] 9refs.
Order from SLA $5.60 TT-63-10251

Trans. of [Akademiya Nauk SSSR. Institut Radiotekhniki i Elektroniki]. Rept-150-03-58(II) Moscow, 1958, p. 1-66.

IMPROVED ENAMELED INDUCED WIRE. 7p
(4 tables all formulae omitted).
Order from SLA $1.10 TT-64-20930

Trans. of Belgian patent 616,815, by Shawinigan Resins Corporation, filed 24 Apr 62 (priority: U S, 24 Apr 61, by E. Lavin, A. H. Markhart and C. F. Hunt).

IMPROVED ENAMELED INDUCED WIRES. 7p
(2 tables all formulae omitted).
Order from SLA $1.10 TT-64-20931

Trans. of Belgian patent 617, 901, by Shawinigan Resins Corporation, filed 21 May 62 (priority: U S, 22 May 61, by E. Lavin, A. H. Markhart and C. F. Hunt).

Bratzler, K.
USE OF ACTIVATED CARBON IN ATMOSPHERIC OXYGEN BATTERIES. 25p (6 figs omitted).
Order from SLA $2.60 TT-64-20824

Trans. of mono. die Aktive Kohle, Stuttgart, 1953, p. 114-132.

Deprez, Charles.
ELECTROLYTIC CELL. [11p].
Order from SLA $1.60 TT-65-10501

Trans. of German patent 1,062,225, cl 12 h, gr 1, internat. cl B 01 k, addition to patent 953,067, by Solvay et Cie., Brussels, filed 16 Apr 55, granted 30 July 59 (Priority: Belgium, 25 May 54).

Kanno, M. and Tanaka, K.
CONDENSATEURS A QUARTZ FONDU, DE FAIBLES CAPACITES. 16p. 6 refs. CNRS-X 607.
Order from ETC or CNRS $1.60 TT-62-28413

Trans. in French of Denki Tsushin Gakkai Zasshi (Japan) [1959] v. 42, p. 844-847.

Kurz, Hans.
ELECTROLYTIC CELL. 8p.
Order from SLA $1.10 TT-65-10558

Trans. of German patent 1,024,061, by Aktiengesellschaft A. Hering, Nurnberg, Germany, granted 13 Feb 58, appl. A 24,796, IV a/12h, 28 Apr 56.

Lutz, Georg.
PROCESS FOR ENCASING ELECTRICAL STRUCTURAL ELEMENTS
J. B., tr. 26 Aug 64, 6p (figs omitted) 2refs.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19916

Trans. of German printed patent application N 6225, VIIId/21c, cl. 21c, gr. 2/33, filed 16 Oct 52, pub. 1 Mar 56, by N. S. F. Nürnberger Schraubenfabrik und Elektrowerk G. m. b. H.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Melzer, Wolfgang and Schuster, Wilhelm.
PROCESS FOR SEALING OFF THE PORES ON SINTER-GRAPHITE BODIES. 4p 2refs.
Order from SLA $1.10 TT-65-10565

Trans. of German patent 1,013,564, cl 80 b, gr 8/10, Internat. cl 04 b, by A. G. Kuhnle, Kopp & Kausch, filed 30 Apr 55, granted 8 Aug 57, appl. K 25,696 IV c/806.

Prange, Kurt.
ELECTROLYTIC CELL WITH A MERCURY CATHODE
[7p] (1 fig omitted) 3refs.
Order from SLA $1.10 TT-65-10502

Trans. of German patent 946,435, cl 12 1, gr 10, internat. cl C 01 d, B 01 k, appl. P 9,387, cl IVa, gr 121, filed 2 Feb 56, granted 12 July 56, in force since 17 Mar 53.

Temnikov, F. E.
THEORY OF SCANNING SYSTEMS. 23 Sep 64 [158p]
120refs FTD-MT-64-04.
Order from OTS HC $5.00, MF $1.00 AD-608 599

Edited machine trans. of mono. Teoriya Razvertyvayushchikh Sistem, Moscow/Leningrad, 1963, 168p.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Vermeer, J.
ORGANIC DIELECTRICS IN HIGH VOLTAGE CABLES. [1964] [31p] (20 figs 3 tables omitted)
Order from SLA $3.60 TT-64-16233

Trans. of Electrotechniek (Netherlands) 1962, v. 40, no. 5, p. 99-110.

Wurbs, Alfred.
ELECTROLYTIC CELL FOR THE AMALGAM METHOD WITH SLOPING CATHODES OVERFLOWED BY MERCURY. [15p] 9refs.
Order from SLA $1.60 TT-65-10503

Trans. of German patent 949,049, cl 12 1, gr 10, internat. cl C 01 d, appl. W 9,091, cl 1Va, gr 12 1, filed 16 Sep 54, granted 23 Aug 56, in force since 22 Jul 52.

Yoshinaga, T.
CONNECTING METHOD OF PARALLEL MERCURY ELECTROLYTIC CELLS. 5p (foreign text included)
Order from SLA $1.10 TT-65-10556

Trans. of Japanese patent publication Showa 34-5659, cl 15 F 212.123 (13 D 12), by Taiki Rubber Ind. Co., filed 11 Mar 57, granted 30 June 59, appl. Showa 32-5721, 1957.

Mechanical Engineering

Belyaev, A. A.
BOILER PLANT OPERATING EXPERIENCE ON THE FIRST POWER STATION WITH EXTRA ADVANCED STEAM CONDITIONS. [40p]. C. E. Trans. 1575; [DSIR] NLL M.2323.
Available from OTS on Loan TT-61-19115

Trans. of mono. [Opyt Ekspluatatsii Kotel'nogo Oborudovaniya Pervoi Elektricheskoi Stantsii Sverkhvysokikh Parametrov] Moscow, 1959 [63p].

HIGH TEMPERATURE POWER PLANT WITH LIVE STEAM TEMPERATURE OF 610°C. Group of papers discussing the power plant erected at Farbenfabriken Bayer, A.G., Leverkusen in 1951. [46p] 9refs.
Order from SLA $4.60 TT-64-30078

Partial trans. (p. 804, 812-815, 818-826, 830) of Verein Deutscher Ingenieure, Zeitschrift (West Germany) 1953, v. 95, no. 24, p. 801-831.

Separate entries have been prepared for the individual articles.

Buchholtz, H.
DEVELOPMENTS IN THE PREPARATION OF MATERIALS Sect. 1 of the Discussion of Future Prospects. [3p] (last paragraph omitted).
Order from SLA $4.60 in TT-64-30078 (p. 30-32)

Partial trans. (p. 830) of V[erein] D[eutscher] I[ngenieure] Zeitschrift (West Germany) 1953, v. 95 [no. 24] p. 830-831.

Buchholtz, H.
MANUFACTURE OF TUBES AND CONDENSERS AND EXPERIENCE GAINED THEREBY. [3p] (final section omitted).
Order from SLA $4.60 in TT-64-30078 (p. 23-25)

Trans. of V[erein] D[eutscher] I[ngenieure]. Z[eitschrift] (West Germany) 1953, v. 95 [no. 24] p. 822-824.

Jordan, Eugene.
HIGH PRESSURE HYDRAULIC PUMP AND ITS APPLICATION TO THE TESTING OF HOLLOW BODIES. 4p (5 figs omitted).
Order from SLA $1.10 TT-65-10546

Trans. of French patent 528,456, appl. 11 Jun 20, granted 17 Aug 21, pub. 12 Nov 21.

Meyer, H.-J. and others.
NONDESTRUCTIVE TESTING OF BOILER AND SUPERHEATER TUBING: GENERAL DISCUSSION. Oct 64, 2900words.
Order from HB $8.70 HB-6340

Trans. of [Vereinigung der Grosskesselbesitzer]. Mitteilungen (West Germany) 1964, no. 88, p. 45-52.

Schinn, R.
TURBINE MATERIALS. [13p].
Order from SLA $4.60 in TT-64-30078 (p. 10-22)

Trans. of V[erein] D[eutscher] I[ngenieure]. Zeitschrift (West Germany) 1953, v. 95 [no. 24] p. 818-822.

Tietz, H.
DESIGN. THE MATERIAL FOR HIGH TEMPERATURE BOILER PARTS. 1p.
Order from SLA $4.60 in TT-64-30078 (p. 1)

Partial trans. (p. 804) of Verein Deutscher Ingenieure, Zeitschrift (West Germany) 1953, v. 95 [no. 24] p. 802-809.

Tietz, H.
SPECIAL PROBLEMS. [4p] (section on "Temperature Distribution in the Superheater Tubes" omitted).
Order from SLA $4.60 in TT-64-30078 (p. 26-29)

Trans. of V[erein] D[eutscher] I[ngenieure]. Z[eitschrift] (West Germany) 1953, v. 95 [no. 24] p. 825-826.

Tulin, S. N. and Salikov, A. P.
HEAT TRANSFER AND HEAD LOSS IN BANKS OF GILLED TUBES (Teplootdacha i Soprotivlenie Puchkov Trubok s Lentochnym Orevreniem). Jul 64 [12p] 5refs RTS-2362.
Order from OTS or ETC HC $1.00, MF $0.50 TT-64-19928

Trans. of Vestnik Elektropromyshlennosti (USSR) 1960, v. 31, no. 10, p. 33-36.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Veinberg, B. S.
GRAPHICAL-ANALYTICAL CALCULATION OF FINNED EVAPORATORS AND CONDENSERS (Grafoanaliticheskii Reschet Orebrennykh Isparitelei i Kondensatorov). Jul 64 [16p] 5refs RTS-2366.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19957

Trans. of Khol[odil'naya] Tekh[nika] (USSR) 1961 [v. 38] no. 3, p. 18-23.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Werner, M. and Ruttmann, W.
MATERIALS FOR BOILER PIPES: THE PROPERTIES OF THE STEELS USED. [9p].
Order from SLA $4.60 in TT-64-30078 (p. 1a-9)

Partial trans. (p. 812-815) of V[erein] D[eutscher] I[ngenieure]. Z[eitschrift] (West Germany) 1953, v. 95 [no. 24] p. 811-817.

Ordnance, Missiles, and Satellite Vehicles

Johnsson, Gunnar and Hofmeister, Wolfgang.
THE IB INFLUENCE OF THE STEMMING UPON THE RESULTS OF EXPLOSIONS WITH EXPLOSIVE BOREHOLES 36 MM IN DIAMETER (Der Einfluss des Besatzes auf das Sprengergebnis bei Sprengbohrlochern von 36 mm Durchmesser). [11p].
Order from SLA $1.60 TT-65-10081

Trans. from International Symposium on Mining Research, Rolla, Mo. (U.S.) 22-25 Feb 61. Proceedings, v. 1.

Kirpichnikov, S. N.
OPTIMAL COPLANAR FLIGHT BETWEEN ORBITS (Optimal'nyi Komplanarnyi Polet Mezhdu Orbitami). Sep 64, 30p 2refs NASA Technical Trans. F-221.
Order from OTS HC $0.75, MF $0.50 N64-30076

Trans. of Leningrad Univ. Vestnik (USSR) 1964 [v. 19] no. 1 [Seriya Matematiki, Mekhaniki i Astronomii, no. 1] p. 130-141.

Mecir, Roman and Valek, Dusan.
ON THE QUESTION OF THE OPTIMAL DELAY PERIODS IN MILLISECOND DELAY BLASTING IN MINING (Zur Frage der Optimalen Verzogerungsperiode des Millisekundenschiessens im Erzbergbau). [9p] (8 figs 9 refs omitted).
Order from SLA $1.10 TT-65-10080

Trans. from International Symposium on Mining Research, Rolla, Missouri (U. S.) 22-25 Feb 61. Proceedings, v. 2.

Medard, M. L.
EXPERIMENTAL STUDY OF THE SPECIFIC WORK AND DETONATION VELOCITY OF EXPLOSIVES WITH ALUMINUM CONTENT. 17p (3 figs 10 tables omitted).
Order from SLA $1.60 TT-64-30812

Trans. of Mèmorial de l'Artillerie Française, 1948, v. 22, p. 595-611.

Nussbaum, August.
EXPLOSIVE CHARGE. 6p.
Order from SLA $1.10 TT-65-10526

Trans. of Austrian patent 192,824, cl 78b, gr 16, filed 24 Sep 53, granted 11 Nov 57.
Another trans. is available from LC or SLA mi $1.80, ph $1.80 as TT-60-17598 [5p].

Sanitation and Safety Engineering

TRANSACTIONS OF THE JAROSLAV CERNI INSTITUTE FOR DEVELOPMENT OF WATER RESOURCES, 1964, VOL. 11, NO. 30
V. Skerl and K. Stankovic, trs. 1964, 94p
PL-480 Int.
Order from OTS HC $1.00 TT-64-11459/1

Trans. of Institut za Vodoprivredu "Jaroslav Cerni". Saopstenja (Yugoslavia) 1964, v. 11, no. 30, p. 1-94.

For table of contents see the "Periodicals Translated Cover-to-Cover" sections of this issue.

Cybulski, Waclaw.
EXPLOSIVES (MINING): RESEARCH ON THE PROCESS OF FIREDAMP EXPLOSIONS AS DEPENDING ON THE EXPLOSION INITIATION [AND] RESEARCH OVER THE SAFETY OF MINING EXPLOSIVES IN THE PRESENCE OF COAL DUST (Badania nad Przebiegiem Wybuchu Metanu w Zaleznosci od Warunkow Zapoczatkowania Wybuchu; Badania nad Bezpieczenstwem Gorniczych Materialow Wybuchowych Wobec Pylu Weglowego)
Z. Zarebska, tr. 1964 [124p] 31refs PL-480 Int.
Order from OTS HC $1.25 TT-61-11346

Trans. of Glowny Instytut Gornictwa. [Komunikat] (Poland) 1953, no. 134, Ser. A, p. 1-42; 1954, no. 159, ser. A, p. 1-34.

Estrin, R.
CONDITIONS DE SECURITE DU TRAVAIL DANS LE SOUDAGE MANUEL A ARC ELECTRIQUE SUR CONDUITE DE GAZ EN SERVICE. Org.55-29305bis.
Order from CNRS G/R-2706

Trans. in French of Novosti Neftyanoi i Gazovoi Tekhniki [sic] (USSR) 1962, no.8, p.42-46.

Gabzdyl, W.
CONCENTRATION EN CO_2 DANS CERTAINES COUCHES DU PUITS PIAST DE LA MINE NOWA RUDA. Org.54-1025-63 41.882 F.65.
Order from CNRS G/X-928

Trans. in French of Przeglad Gorniczy (Poland)
1963 [v.19]no.6, p.242-247.

Grishina, E. E.
ANAEROBIC FERMENTATION OF WOOL WASH WATERS (Anaerobnoe Sbrazhivanie Sherstomoinykh Stocknykh Vod). Jul 64 [14p] RTS-2413.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19932

Trans. of mono. Biokhim[icheskaya] Ochistka Stochnykh Vod Predpriyatii Khim[icheskoi] Prom[yshlennosti (Biochemical Purification of Waste Waters from Chemical Industrial Enterprises) Moscow] 1962, p. 223-231.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Kuzechenko, G.N. and Churkin, V.K.
APPAREIL DE BLOCAGE POUR ARROSAGE. Org.54-1009-63 F.510-41890.
Order from CNRS G/R-2692

Trans. in French of Bezopasnost' Truda v Promyshlennosti (USSR) 1963 [v.7] no.7 p.33-34.

Makarova, V. S. and Kuznetsov, V. I.
THE INFLUENCE OF MONOMOLECULAR FILMS ON EVAPORATION FROM WATER SURFACES (O Vliyanii Monololekulyarnykh Plenok na Isparenie s Vodnoi Poverkhnosti). Nov 63 [26p] (foreign text included) 6refs BR-D Trans. no. 460.
Order from OTS HC $2.00, MF $0.50 AD-608 948

Trans. of Gosudarstvennyi Gidrologicheskii Institut. Trudy (USSR) 1961, v. 91, p. 5-13.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Savkov, E. and Vasilev, G.
HIGH-EXPANSION FOAM (Visokokratnaya Pena). Oct 64 [11p] RTS-2563.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60351

Trans, of Pozharnoe Delo (USSR) 1963 [v. 9] no. 11, p. 21-23.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

FOOD, HANDLING, AND PACKAGING EQUIPMENT

Gordzievskii, L.
THE ROLE OF ADENOSINE TRIPHOSPHATE IN THE MUSCLE CONTRACTION OF CHILLED AND FROZEN MEAT (O Roli Adenozintrifosfornoi Kisloty v Sokrashchenii Myshts Okhlazhdennogo i Morozhenogo Myasa). Sep 64 [12p] RTS-2458.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19964

Trans. of Myasnaya Industriya SSSR, 1961, v. 32, no. 3, p. 52-54.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Karandaeva, V. P.
COMPARATIVE FOOD VALUE OF MEAT DEHYDRATED BY DRYING IN WARM AIR AND BY SUBLIMATION (Sravnitel'naya Pitatel'naya Tsennost' Myasa, Obezvozhennogo Metodom Teplovoi Atmosfernoi Sushki i Metodom Sublimatsii). [15p] (foreign text included) 13refs FASEB Ms No.: S 174-4.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60214

Trans. of Voprosy Pitaniya (USSR) 1963, v. 22, no. 6, p. 12-16.
Another trans. is available from OTS, SLA, or ETC $0.50 as TT-64-11592, ACSI-I-3920, 24 Jan 64, 7p.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Meyer, Walter.
APPLICATION OF BASE-EXCHANGING SUBSTANCES FOR REMOVING SALTS FROM SUGAR JUICES (Die Anwendung von Basenaustauschenden Stoffen zur Entsalzung von Zuckersäften). 11p (foreign text included) 11refs.
Order from SLA $1.60 TT-64-20889

Trans. of Zentralblatt für die Zuckerindustrie (Germany) 1943 [v. 51] no. 6, p. 37-38.

Pavlovskii, P. E. and Grigor'eva, M. P.
CONVERSIONS OF MUSCLE TISSUE PROTEINS IN THE THAWING OF FROZEN MEAT. [11p] 3refs FASEB Ms No.: S 327-4.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60198

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Pishchevaya Tekhnologiya (USSR) 1963, no. 2, p. 47-51.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Wierzchowski, Jozef, Severin, Maria, Czarnowska, Wanda, Kalinowska, Zofia, and Dymecki, Waclaw.
TIN AND IRON CONTENTS IN SOME POLISH CANNED FISH: CONTROL OF FISH PROCESSING STAGES. I. HERRING IN OIL II. "BULLHEAD" IN TOMATO SAUCE (O Zawartosci Cyny i Zelaza w Niektorych Polskich Konserwach Rybnych: Kontrola Cyklow Produkcyjnych w Przetworstwie Rybnym. I. Sledz w Oleju. II. Byczki w Pomidorach)
M. Radziwill and A. Szafranski, trs. 1964 [29p] 23refs PL-480 Int.
Order from OTS HC $0.50 TT-63-11402

Trans. of Roczniki Panstwowego Zakladu Higieny (Poland) 1957, v. 8, no. 5, p. 481-493; 1959, v. 10, no. 4, p. 395-402; 1960, v. 11, no. 4, p. 329-334.

MACHINERY, FABRICATION, AND ACCESSORY EQUIPMENT

LOCK FOR BOXES WITH SEVERAL COMPARTMENTS. [5p].
Order from SLA $1.10 TT-65-10516

Trans. of German patent 115,722, by Bielefelder Maschinenfabrik, in force as of 16 Dec 1899.

Chernis, N. E.
EXPERIENCE IN USING UNIVERSAL-ASSEMBLED FIXTURES (UAF). 16 May 61 [35p] (figs omitted) MCL-622.
Order from OTS or ETC HC $2.00, MF $0.50
AD-259 240

Unedited rough draft trans. of Novoe v Tekhnologii Mashinostroeniya [sic] (USSR) 1959, no. 1, p. 119-142.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Cooper, Arthur H. and Booth, Richard H.
IMPROVEMENTS IN AUTOMATIC CONTROL SYSTEMS, ESPECIALLY FOR MACHINE TOOLS
P. C. C., tr. 11 Aug 64 [16p] (figs. omitted).
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19914

Trans. of French patent 1,114,501, gr. 5, cl. 3, internat'l cl. G 05 g, appl. 28 Oct 54, granted 19 Dec 55, pub. 13 Apr 56, by Electric and Musical Industries, Ltd., Gt. Brit. (priority: claimed 28 Oct 53, 2 Feb 54, and 15 Oct 54, Gt. Brit.).

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Gurkin, G. S.
STRESSES IN CONSTANT-THICKNESS CIRCULAR SAWS DUE TO CUTTING FORCES (Napryazheniya ot Sil Rezaniya v Kruglykh Pilakh Postoyannoi Tolshchiny). Nov 63 [11p] 3refs RTS-2318.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-13375

Trans. of Izv[estiya] Vysshikh Uchebnykh Zavedenii. Lesnoi Zh[urnal] (USSR) 1961 [v. 4] no. 2, p. 102-111.

Sheinberg, S. A. and Kharitonov, A. M.
AERODYNAMIC BEARINGS FOR HIGH SPEED MOTORS AND TURBINES (Aerodinamicheskie Opory dlya Vysokoskorostnykh Dvigatelei i Turbin). Aug 64 [16p] 2refs RTS-2601.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19926

Trans. of Vestnik Mashinostroeniya (USSR) 1958 [v. 38] no. 9, p. 14-17.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Engines and Propulsion Systems

Deich, M. E., Fillippov, G. A., and Abramov, V. I.
INVESTIGATION OF SINGLE ROW PARTIAL ADMISSION STAGES. Aug 64 [16p] 5refs RTS-2615.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19924

Trans. of Teploenergetika (USSR) 1963, v. 10, no. 7, p. 16-21.
Another trans. is available from OTS, SLA, or ETC $1.60 as TT-64-15260, BSRA-Trans-1645 [13p].

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Kaplan, M.P.
ZUR BESTIMMUNG DER OPTIMALPARAMETER VON DAMPFGAS-KREISPROZESSEN (K Opredeleniyu Optimal'nykh Parametrov Parogazovykh Tsiklov) (Determination of Optimal Parameters for Steam-Gas Cycles). 18p. ETH-tr.10.
Order from ETH ETH-tr.10

Trans. in German of Teploenergetika (USSR) 1961, v.8, no.5, p.6-11.
Translations in English are available from OTS or SLA $1.60 as 62-24682, DSIR NLL M. 3578, Aug 61, 17p.; from FT $13.60 as FT-605 (1961) and from OTS or SLA $1.60 as 62-13932, RTS-2000, Jan 62 (13) p.

DESCRIPTORS: *Gas turbines, *Steam turbines, Turbines, Boilers, *Power plants, Effectiveness, Analysis, Feed water.

Kostrov, A. V. and Kunyavskii, B. M.
TEMPERATURE CYCLE OF A PISTON IN MZMA-407 ENGINE (Temperaturny Rezhim Porshnya Dvigatelya M3MA-407). Oct 64 [11p] 2refs RTS-2598.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60355

Trans. of Avtomobilnaya Promyshlennost' (USSR) 1963, v. 29, no. 8, p. 5-7.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Manufacturing Equipment and Processes

COMPRESSOR MODEL 2, 100 ATM FINAL PRESSURE, 5 CU M HOURLY INTAKE, AT N EQUALS 280 R.P.M. 7p.
Order from SLA $1.10 TT-64-20388

Trans. of mono. (report) of Andreas Hofer-Hochdruck-Apparatebau G. m. b. H., Mülheim/Ruhr (Germany) 1951.

COMPRESSOR MODELS. 21p.
Order from SLA $2.60 TT-64-20232

Trans. of mono. (report) of Andreas Hofer-Hochdruck-Apparatebau G.m. b. H., Mülheim-Ruhr (Germany) 14 Feb 52.

COOLING DEVICE FOR ROTATING CYLINDER FURNACES [3p].
Order from SLA $1.10 TT-64-20597

Trans. of German patent 135,875, by Portland Cement Fabrik Hemmoor, Hamburg, filed 10 Nov 02, in force as of 20 Sep 00.

PROCESS AND APPARATUS FOR MIXING A POWDER WITH A WATER CURRENT UNDER PRESSURE
L. A. N., tr. 29 Oct 64, 6p (figs omitted).
Order from OTS or ETC HC $1.00, MF $0.50 TT-64-23584

Trans. of French patent 815,247, gr. 5, cl. 5, appl. 18 Mar 36, granted 5 Apr 37, pub. 8 Jul 37, by Técalémit-Mondial.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

TRANSPORTABLE TILE COOKING APPARATUS AND TILE STOVE. [4p].
Order from SLA $1.10 TT-65-10513

Trans. of German patent 16,273, in force as of 11 Mar 1881.

Bruggemann, Heinrich.
WING THREAD GUIDES FOR WINDING MACHINES. 4p (6 figs omitted).
Order from SLA $1.10 TT-65-10548

Trans. of German patent 231,800, granted 23 Mar 62.

Esikov, S.E.
METHODE D'AFFUTAGE A CONTACT ELECTRIQUE POUR LES OUTILS AU CARBURE (Elektrokontaktnyi Metod Zatochki Stupeni Reztsoe Tverdogo Splava). 8p. (foreign text included). CNRS-XVII 173.
Order from ETC or CNRS $1.10 TT-62-29145

Trans. in French of Traktory i Sel'khozmashiny (USSR) 1950 [v. 20] no. 11, p. 23-24.

Reyes, Higinio Guillamon.
MODERN CONSTRUCTION OF COKE FURNACES (La Construcción Moderna de Hornos de Coque). [80p] (foreign text included) 7refs
Order from SLA $7.60 TT-64-20291

Trans. of Metalurgia y Electricidad (Spain) 1951, v. 15, no. 167, p. 36-42, no. 168, p. 38-44, no. 170, p. 40-46.

Salsas-Serra, Francisco and Planaguma, Antoine.
METHOD AND DEVICE FOR MECHANICAL ATOMIZATION OF LIQUIDS. 6p 1ref.
Order from SLA $1.10 TT-65-10539

Trans. of German patent 1,000,747, cl 85 g, gr 3, internat. cl B 05, granted 10 Jan 57, pub. 27 Jun 57. appl. S 30,745 XII/85 g, 20 Oct 52 (Priority: France 30 Oct 51).

Tarasov, S[ergei] V[asil'evich].
TECHNOLOGY OF WATCH PRODUCTION
Albert Baruch, tr. 1964, 446p 16refs PL-480 Smi.
Order from OTS HC $7.50 TT-64-11110

Trans. of mono. Tekhnologiya Chasvogo Proizvodstva, Moscow, 1956 [480p].

Zaniroli, Santo Mario.
PUMP FOR LIQUIDS IN WHICH THE PRESSURE DIFFERENCE BETWEEN OUTPUT AND INTAKE IS MAINTAINED BY THE ADHESION OF THE LIQUID OVER THE WALLS OF THE PUMP AND BY THE INTERNAL VISCOSITY OF THE LIQUID ITSELF. 11p (8 figs omitted).
Order from SLA $1.60 TT-65-10641

Trans. of Italian patent 402,961, cl V^b, filed 3 Oct 42, granted 31 Mar 43.

Transport, Traction and Hoist Facilities

Alamdarov, R.
ASCENSEUR A BATEAUX VERTICAL A STRALSUND (ALLEMAGNE DE L'EST).Org.18-A.1718.
Order from CNRS G/R-2641

Trans. in French of Rechnoi Transport (USSR) 1962 [v.21] no.11, p.55-57.

Bak, E. and Skinderowicz, F.
MECHANICAL DEVICES USED IN HYDROTRANSPORTATION [AND] TYPICAL TECHNICAL SOLUTIONS OF A LOADING POINT DURING GRAVITY HYDRAULIC TRANSPORTATION OF COAL (Urzadzenia Mechaniczne Stosowane w Hydrotransporcie; Typowe Rozwiazania Punktu Zaladowczego przy Beznaporowym Hydraulicznym Transporcie Wegla)
B. Lipinski, tr. 1964 [13p] PL-480 Int.
Order from OTS HC $0.50 TT-63-11386

Trans. pf Przeglad Gorniczy (Poland) 1960, v. 16, no. 10, p. 502-506; Wiadomosci Gornicze (Poland) 1959, v. 10, no. 3, p. 88-90.

Shavlokhov, A. E.
RESEARCH ON THE PERFORMANCE OF PNEUMATIC TYRES DRIVEN OVER LOOSE SOIL (Issledovanie Raboty Pnevmaticheskikh Vedomykh Koles na Rykhlykh Gruntakh)
J. A. Collins, tr. [12p] (foreign text included) 3refs [CSIRO] Trans. no. 6807.
Order from OTS or ETC HC $1.00, MF $0.50 TT-64-19876

Trans. of Traktory i Sel'khozmashiny (USSR) 1963 [v. 33] no. 9, p. 4-6.

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MATERIALS

IMPROVEMENT OF WATER-SOLUBLE OPTICAL BLEACHING AGENTS. 4p.
Order from SLA $1.10 TT-65-10660

Trans. of German patent application C 4171, cl 8 i, gr 1, by Cassella Farbwerke Mainkur A. G., Frankfurt-Fechetheim, Germany, filed 9 May 51, pub. 23 Sep 54.

NEW SULFONATION PRODUCTS. 7p.
Order from SLA $1.10 TT-64-30930

Trans. of German patent application H 7525, by Henkel & Cie. G.m.b.H., Düsseldorf, filed 10 Feb 51, pub. 7 Oct 54.

A PROCESS FOR THE PRODUCTION OF A THIN-LAYER PRESERVATIVE COMPOSITION FOR METAL OBJECTS. Nov 64.
Order from TTIS $7.20 TTIS NS 269

Trans. of Polish patent 47823, by Instytut Mechaniki Precyjnej, appl. 1 Jan 61.

Akhmedov, M. A. and Ragozina, T. A.
THE EFFECT OF CALCIUM SULFATE ON THE SINTERING POINT OF THE PORTLAND CEMENT CLINKER. 6p 4refs
Order from SLA $1.10 TT-64-30028

Trans. of mono. Voprosy Ispol'zovaniya Mineral'nogo i Rastitel'nogo Syr'ya Srednei Azii [Tashkent] 1961, p. 55-58.

Bednarska, A. and others.
A PROCESS FOR THE PRODUCTION OF AN AGENT FOR CLEANING, POLISHING AND PRESERVING THE SURFACES OF OBJECTS MADE OF SYNTHETIC MATERIAL. Nov 64.
Order from TTIS $6.00 TTIS NS 270

Trans. of Polish patent 47,919, appl. 6 Mar 63, pub. 2 Jan 64.

Ershler, E. Ya.
CALCULATING THE HARDENING RATE AND THE STRENGTH OF CONCRETE AT DIFFERENT CURING TEMPERATURES (Raschet Rezhima Tverdeniya i Prochnosti Betona pri Razlichnykh Temperaturakh Proparivaniya).
V. A. Soloduhin, tr. [14p] 5refs [CSIRO] Trans. 6590.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19890

Trans. of Beton i Zhelezobeton (USSR) 1959, no. 6, p. 262-266.

Ezerskii, A.N., Trebulov, P.D., and Ostrilova, A.P.
PROCEDE DE FABRICATION D'UNE POUDRE A PARTIR DU BITUME PETROLIER DESHYDRATE.
Org.144-N.2253/T.236.
Order from CNRS G/R-2759

Trans. in French of Russian patent 144763, filed 22 June 61.

Gambarov, G. A.
CREEP AND SHRINKAGE OF TRIAXIALLY PRESTRESSED CONCRETE (Polzuchest i Usadka Trekhnosno Napryazhennogo Betona). Sep 64 [16p] 2refs RTS-2481.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19989

Trans. of Beton i Zhelezobeton (USSR) 1962, v. 8, no. 1, p. 21-25.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Hänn, Fritz.
PROCEDURE FOR THE REGENERATION OF BASIC REAGENTS USED ESPECIALLY FOR SOFTENING WATER. (Procedé de régénération de réactifs basiques, applicables notamment pour adoucir l'eau.) 5p.
Order from SLA $1.10 TT-65-10643

Trans. of French patent 846,628, filed 25 Nov 38.

Lemaire, Emile and Lemaire, Roger.
METHOD FOR PREPARING PRINTING FORMS BY ETCHING. 5p.
Order from SLA $1.10 TT-65-10529

Trans. of German patent application I 125,947, n.d.

Passler, H. and Stempniewski, S.
MORE FLEXIBLE SUPPLY OF CONCRETE [AND] DEVELOPMENT OF EAST GERMAN AIR FREIGHT.
East European Device Industries: Translations no. 285. 6 Aug 64, 27p JPRS: 25758.
Order from OTS HC $2.00, MF $0.50 TT-64-41029

Trans. of die Wirtschaft [Berlin] (East Germany) 1964 [v. 19] no. 19, p. 12-13; Aussenhandel (East Germany) 1964 [v. 14] no. 6, p. 35-42.

Pinus, E.P.
PROCEDES DE COLLAGE DU BETON NEUF AU BETON VIEUX. Org.18-A.1715.
Order from CNRS G/R-2639

Trans. in French of Avtomobil'nye Dorogi (USSR) 1962 [v.25] no.12, p.22-23.
A Trans. in English is available from OTS, SLA, or ETC $1.10 as TT-64-13392, RTS-2412, Dec 63 [8p].

Pochtovik, G. Ya. and Kashkin, S. K.
ULTRASONIC MEASUREMENTS IN CONCRETE WEARING SURFACES (Ultrazvukovie Izmereniya v Betonnykh Pokrytiyakh). Oct 64 [13p] RTS-2411.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60360

Trans. of Avtomobil'nye Dorogi (USSR) 1962, v. 25, no. 7, p. 13-14.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Raszkowski, T. and Makowski, A. H.
MASS FOR THE PRODUCTION OF PROTECTIVE COATINGS ON CONSTRUCTIONAL ELEMENTS AND FOR THE BONDING OF CONSTRUCTIONAL MATERIALS. Nov 64.
Order from TTIS $15.00 TTIS NS 268

Trans. of Polish patent 47,811, appl. 8 Aug 61, pub. 2 Dec 63.

Skudra, A.M. and Kaminski, V.V.
PREPARATION DE BETONS BITUMINEUX A FROID A BASE D'EMULSION DE BITUME ET EN UTILISANT LE MALAXAGE PAR VIBRATION.
Org.167-63-83.
Order from CNRS G/R-2758

Trans. in French from Akademiya Nauk Litovskoi SSR, Vilna, Institut Stroitel'stva i Arkhitektury. Sbornik Statei, 1962, no. 12.

Specht, E.
METHOD FOR THE PREPARATION OF NON-WOVEN, CHLORINE AND WASH FAST SHEETS OF FLEECES. [4p] 4refs.
Order from SLA $1.10 TT-65-10518

Trans. of German patent 1,128,832, by C. Freudenberg, filed 4 Dec 58, pub. 3 May 62.

Adhesives and Sealants

PROCESS FOR DETERMINING THE SURFACE ADHESIVENESS OF FILM-FORMING SUBSTANCES. 6p.
Order from SLA $1.10 TT-65-10659

Trans. of German patent application I 78,329, cl IXb, gr 42k, by I. G. Farbenindustrie A. G., Ludwigshafen, n.d.

PROCESS FOR IMPROVING ADHESIVE MIXTURES. 6p.
Order from SLA $1.10 TT-64-30854

Trans. of German patent application I 73,726 IVd/22i, by I. G. Farbenindustrie A. G., Leverkusen, filed 1938, pub. 1943.

Gams, A., Kraus, W., Preiswerk, E., Widmer, G., and Wieland, W.
PROCEDURE FOR CEMENTING TOGETHER MATERIAL, PARTICULARLY METALS, WITH SYNTHETIC RESINS, AND CEMENTS FOR THIS, PLUS THE MATERIAL OBTAINED ACCORDING TO THE METHOD. 20p 1ref.
Order from SLA $1.60 TT-65-10629

Trans. of Swedish patent 124,849, by Ciba Basel, Switzerland, granted 10 Mar 49, pub. 10 May 49, in force as 8 July 46 (Priority: Switzerland, 13 July 45 and 28 May 46).

Seidler, P. O.
NEW THEORIES OF ADHESION OF HIGH POLYMERS. 21p 42refs.
Order from TC $21.00 TC-272

Trans. of Adhäsion (West Germany) 1963 [v. 7] no. 11, p. 503-512.
Other translations are available from SLA $1.60 as TT-64-20947, 14p (figs omitted) and from TC $21.00 as TC-163, Aug 64, 21p.

Ceramics and Refractories

Angerer, Albert.
THE USE OF SODIUM CHLORIDE FOR GLASS MANUFACTURE AND FOR THE PRODUCTION OF SODIUM SILICATES DIRECTLY FROM SODIUM CHLORIDE AND SILICIC ACID OR OTHER NATURAL AND SYNTHETIC SILICATES. [5p].
Order from SLA $1.10 TT-65-10154

Trans. of Dingler's Polytechniches Journal (Germany) 1870, v. 197, p. 343-346.

Polyakov, N. I.
REVIEW OF THE PROBLEM OF THE PROCESS OF GLASS GRINDING
Sergey Shewchuck, tr. Apr 63 [9p] 19refs.
Order from OTS or ETC HC $1.10 UCRL-Trans-946(L)

Trans. of Optiko-Mekhanicheskaya Promyshlennost' (USSR) 1940, v. 10, no. 11, p. 10-11.

Reaumur, de.
THE ART OF MAKING A NEW TYPE OF PORCELAIN BY VERY SIMPLE AND EASY METHODS, OR OF TRANSFORMING GLASS INTO PORCELAIN, PT. I. 23p.
Order from SLA $2.60 TT-62-18201

Trans. of l'Academie Royale des Sciences [sic]. Mémoires, 1739, p. 370-388.

Vanin, V.I.
REPARTITION DES CONTRAINTES DANS LES FEUILLES DE VERRE. Org.172-V.R.-3/62 anal.No.242.
Order from CNRS G/R-2763

Trans. in French of #Steklo i Keramika (USSR) 1961, v.18, no.12, p.7-8.

Vargin, V.V. and Gutorova, L.L.
VERRES DU SYSTEME Na_2O-TiO_2-SiO_2 COMME BASE POUR L'ALUMINIUM. Org.172-V.R-1/61 anal.No.26.
Order from CNRS G/R-2764

Trans. in French of #Steklo i Keramika (USSR)
1960, v.17, no.10, p.22-25.

Vargin, V.V. and Smirnova, G.P.
EMAUX AU TITANE A FAIBLE TENEUR EN TiO_2. Org.172-V.R-6/62 anal.No.619.
Order from CNRS G/R-2765

Trans. in French of #Steklo i Keramika (USSR)
1962, v.19, no.8, p.35-37.

Vargin, V.V. and Zolotova, I.N.
EMAUX RESISTANT AUX ALCALIS. Org.172.
Order from CNRS G/R-2766

Trans. in French of # Steklo i Keramika (USSR)
1962, v.19, no.2, p.23-26.

Velev, D.S.
CALCUL DU COMPARTIMENT DE BRAISE DES FOURS A CUVE POUR LA FUSION DU VERRE. Org.172-V.R-6/62 anal.No.554.
Order from CNRS G/R-2767

Trans. in French of #Steklo i Keramika (USSR)
1962, v.19, no.8, p.3-8.

Vidro, L.I., Khorol'skii, Yu.M., and Mironenko, L.A.
INSTALLATION DE CONTROLE DU DEGRE D'HOMOGENEITE DU VERRE. Org.172-V.R-2/61 anal.No.119.
Order from CNRS G/R-2768

Trans. in French of #Steklo i Keramika (USSR)
1960, v.17, no.8, p.22-25.
Another trans. is available in English from OTS, SLA, or ETC $1.60 as TT-64-10555 (foreign text included).

Vitman, F.F., Bartenev, G.M. and others.
METHODE DE MESURE DE LA RESISTANCE MECANIQUE DU VERRE EN FEUILLES. Org.172-V.R-1/63 anal.No.29.
Order from CNRS G/R-2769

Trans. in French of #Steklo i Keramika (USSR)
1962, v.19, no.8, p.9-11.

Volfenzon, I.I.
IMPRESSIONS EN COULEURS INDELIBILES POUR REMPLACER DES ETIQUETTES SUR LES BOUTEILLES. Org.172-V.R-2/61 anal.No.180.
Order from CNRS G/R-2779

Trans. in French of #Steklo i Keramika (USSR)
1960, v.17, no.11, p.21-22.

Vorontsov, V.P.
MECANISME POUR LE RETOUR DES CHARIOTS DANS LES FOURS DE TREMPE DU VERRE. Org.172-V.R-6/62 anal.No.595.
Order from CNRS G/R-2780

Trans. in French of #Steklo i Keramika (USSR)
1962, v.19, no.6, p.32-33.

Voskoboinikov, G.I. and Reznikov, M.I.
PERFECTIONNEMENT DE LA FABRICATION DE CARREAUX DE REVETEMENT EN VERRE EMAILLE. Org.172-V.R-4/62 anal.No.391.
Order from CNRS G/R-2781

Trans. in French of #Steklo i Keramika (USSR)
1962, v.19, no.3, p.15-18.

Vrublevskii, L.E.
A PROPOS DES CAUSES DU GONFLEMENT DES MATIERES PREMIERES ARGILEUSES. Org.172.
Order from CNRS G/R-2782

Trans. in French of #Steklo i Keramika (USSR)
1962, v.19, no.1, p.20-22.

Zakharikov, N.A. and Kononko, V.P.
CONTROLE DE LA RECUISSON DU VERRE EN FEUILLES. Org.172-V.R-2/63 anal.No.177.
Order from CNRS G/R-2770

Trans. in French of #Steklo i Keramika (USSR)
1962, v.19, no.12, p.1-3.

Zakharikov, N.A., Rozhanskii, A.I., and Sukhovei, V.A.
REFROIDISSEMENT PAR VAPORISATION DE LA CUVE DES FOURS A BASSIN. Org.172-V.R-1/62 anal.No.65.
Order from CNRS G/R-2771

Trans. in French of #Steklo i Keramika (USSR)
1961, v.18, no.9, p.7-12.

Zaliznyak, A.A.
FOUR A BASSIN SANS COMPARTIMENT DE TRAVAIL. Org.172-V.R-5/61 anal.No.428.
Order from CNRS G/R-2772

Trans. in French of #Steklo i Keramika (USSR)
1961, v.18, no.4, p.11-13.

Zaliznyak, D.V., Galdina, N.M. and others.
ETUDE DU COMPORTEMENT DE DIFFERENTS REFRACTAIRES DANS LE FOUR A BASSIN DE LA VERRERIE DE GOMEL. Org.172-V.R-1/63 anal.No.63.
Order from CNRS G/R-2774

Trans. in French of #Steklo i Keramika (USSR)
1962, v.19, no.9, p.4-7.

Zaliznyak, A.A. and Klegg, D.I.
QUELQUES CAUSES D'HETEROGENEITE DU VERRE. Org.172-V.R-5/62 anal.No.463.
Order from CNRS G/R-2773

Trans. in French of #Steklo i Keramika (USSR)
1962, v.19, no.5, p.14-16.

Zaporozhtseva, O.K. and Gorbai, S.V.
EMPLOI D'HYDROXYDE D'ALUMINE POUR LA FUSION DU VERRE EN FEUILLES FABRIQUE PAR ETIRAGE SANS DEBITEUSE. Org.172-V.R.-5/61 anal.No.425.
Order from CNRS G/R-2775

Trans. in French of #Steklo i Keramika (USSR) 1961, v.18, no.4 p.32-33.

Zavorueva, R.S. and Likhtenshtein, G.A.

DISQUES DE POLISSAGE DE FEUTRE AVEC DES FIBRES PERPENDICULAIRES A LA SURFACE DU VERRE. Org.172-V.R-2/61 anal.No.157.

Order from CNRS G/R-2776

Trans. in French of #Steklo i Keramika (USSR) 1960, v.17, no.8, p.37.

Zezin, M.A., Rakov, I.D., and Popov, N.T.

L'INVERSION AUTOMATIQUE DE LA FLAMME DANS LES FOURS A BASSIN. Org.172-V.R-1/62 anal.No.64.

Order from CNRS G/R-2777

Trans. in French of #Steklo i Keramika (USSR) 1961, v.18, no.8, p.18-22.

Fuels, Lubricants, and Hydraulic Fluids

Blagovidov, I.F. and Borovaya, M.S.

THE INFLUENCE OF POLYMETHYLSILOXANE FLUID ON THE PROPERTIES OF MOTOR OILS, tr. by A. Magrath. 15p. 5 refs. MTWL-1195; TRC-Trans-1082.

Order from ETC $1.60 TT-64-26099

Trans. of Khimiya i Tekhnologiya Topliv i Masel (USSR) 1963, v.8, no.6, p.52-57.

Also available from ETC as TT-63-27423.

Eremin, I. V., Ammosov, I. I., Sukhenko, S. I., Kharitonov, G. V., and Nazarova, N. I.

THE PETROGRAPHIC CHARACTER OF COAL IN CONNECTION WITH ITS USE IN THE COKE INDUSTRY; CALCULATION OF THE COKE MIXTURES ON THE BASIS OF THE PETROGRAPHICAL CHARACTERISTICS OF COAL; RELATIONSHIP BETWEEN THE PETROGRAPHICAL CHEMICAL COMPOSITION AND THE CHEMICAL-TECHNOLOGICAL PROPERTIES OF THE COAL OF THE TUYUK DEPOSIT IN THE UZGEN BASIN. [33p] 10refs.

Order from OTS or ETC HC $2.00, MF $0.50 TT-61-15962

Trans. of [Akademiya Nauk SSSR. Institut Goryuchikh Iskopaemykh. Trudy, 1959, v. 8, p. 14-20, 21-30, 45-50].

Other translations of p. 14-20 and 21-30 are available from OTS or SLA $1.10 as TT-63-19943, NCB-A1968/SEH, 8p and $1.60 as TT-62-24901, NCB-A1969/SEH [12p].

(Materials--Fuels, TT, v. 13, no. 4)

Kuliev, R.Sh., Sadykhova, B.A., and Musaev, G.T.

FABRICATION DES HUILES POUR MOTEUR PAR LA DESTRUCTION HYDROGENANTE DU DISTILLAT ET DU RAFFINAT DE L'HUILE POUR DIESEL. Org.144-N.2273/T.237.

Order from CNRS G/R-2762

Trans. in French of Khimiya i Tekhnologiya Topliv i Masel (USSR) 1963 [v.8] no.7, p.6-12.

Laurent, Julien-Andre and Gost, Armand-Charles-Frederic.

GAS PURIFIER AND ITS APPLICATIONS. 6p.

Order from TC $6.50 TC-315

Trans. of French patent 1,124,515, 2 Jul 56.

Masek, V.

LE 3, 4-BENZOPYRENE ET NOS HUILES DE CHAUFFAGE TIREES DU PETROLE. Org.72-707.

Order from CNRS G/X-931

Trans. in French of Pracovni Lekarstvi (Czechoslovakia) 1961 [v.13] no.12, p.363-366.

Orengo, Franco.

MODERN PROPELLANTS FOR JET ENGINES. 7p 6refs.

Order from SLA $1.10 TT-64-20550

Trans. of Chimica [nell'Industria nell'Agricoltura, nella Biologia, nelle Realizzazioni Autarchiche e Corporative] (Italy) 1955, v. 31 [no. 2]

Rottig.

THE AROMATIZATION OF STRAIGHT-CHAIN ALIPHATIC HYDROCARBONS DERIVED FROM THE FISCHER-TROPSC SYNTHESIS, REPT. 3. 17p.

Order from SLA $1.60 TT-65-10699

Trans. of mono. The Manufacture of Aviation Gasoline in Germany; document 28, Technical Oil Mission Microfilm Reel no. 138.

Sedivec, V. and Flek, J.

DOSAGE DU BENZENE DANS LES ESSENCES TECHNIQUES. Org.72-706.

Order from CNRS G/X-930

Trans. in French of Pracovni Lekarstvi (Czechoslovakia) 1957 [v.9] no.6, p.190-195.

Sharonov [G. P.] and Prusov [V. A.].

INFLUENCE DU SOUFRE DANS L'HUILE, SUR LE MOUILLAGE ET LE GRIPPAGE DES SURFACES METALLIQUES DE FROTTEMENT. Org.28-63.12501

Order from CNRS G/R-2645

Trans. in French of Izvestiya Vysshikh Uchebnykh Zavedenii. Mashinsotroenie (USSR) 1963, no.7 [p. 190-196].

Timoshchenko, V. A.

EFFECT OF SURFACE FRICTION IN THE DEEP DRAWING PROCESS. Oct 64, 1200 words.

Order from HB $3.60. HB-6369

Trans. of Kuznechno-Shtampovochnoe Proizvodstov (USSR) 1964 [v. 6] no. 8, p. 18-19.

Vlasov, K.R.

ENRICHISSEMENT DU GAZ DE GAZOGENE PAR DES COMBUSTIBLES LIQUIDES. Org.172-V.R-4/61 anal.No.354.

Order from CNRS G/R-2778

Trans. in French of #Steklo i Keramika (USSR) 1961, v.18, no.2, p.34-35.

Zrelov, V. N., Marinchenko, N. I. and others.
CHEMICAL COMPOSITION OF MICROIMPURITIES IN JET FUELS FROM SULFUROUS PETROLEUM.
19 Nov 64 [11p] 3refs FTD-TT-64-392.
Order from OTS HC $1.00, MF $0.50 AD-608 734

Unedited rough draft trans. of Khimiya i Tekhnologiya Topliv i Masel (USSR) 1963 [v. 8] no. 11, p. 57-61.

Leather and Textiles

ACRYLONITRILE COPOLYMERS OF IMPROVED DYE RECEPTIVITY. 6p.
Order from SLA $1.10 TT-64-30842

Trans. of German patent application F 10, 231, cl 39 c, gr 25/01, by Farbwerke Höchst A. G., Frankfurt-Höchst, filed 25 Oct 52, pub. 29 Dec 55.

PROCESS FOR SIZING FULLY SYNTHETIC FIBERS. 4p.
Order from SLA $1.10 TT-64-30904

Trans. of German patent application F 9159, cl 8k, gr 1/01, by Farbenfabriken Bayer A. G., filed 29 May 52, pub. 27 Oct 55.

Frolov, S.S. and Bykov, A.N.
LES FIBRES SYNTHETIQUES. UTILISATION DU PROCEDE D'INCLUSION COMME METHODE DE DETERMINATION DU DEGRE DE GONFLEMENT DE LA CELLULOSE. Org.5-5482.
Order from CNRS G/R-2637

Trans. in French of Khimicheskie Volokna (USSR) 1960, no.6, p.22-24.

Juilfs, Johann.
DETERMINATION OF WATER-RETAINING POWER (OR THE SWELLING VALUE) OF FIBERS.
5 Apr 60, 28p 8 refs.
Order from SLA $2.60 TT-61-16736

Trans. of Forschungsberichte [des Landes] Nordrhein-Westfalen (West Germany) 1958, no. 499, p. 5-22.

Levchenko, A. I.
DYEING LEATHER WITH REACTIVE DYES (Krashenie Kozhi Reaktsionnosposobnymie Krasitelyami). Aug 64 [6p] 3refs RTS-2530.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19959

Trans. of Kozhevenno-Obuvnaya Prom[yshlennost'] (USSR) 1962, v. 4, no. 7, p. 33-34.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Nosov, M. P. and Berestnev, V. A.
THE NECKING DOWN OF CAPRON FIBRE (Ob Obrazovanii Sheiki Kapronovovo Volokna). Aug 64 [8p] 7refs RTS-2496.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19997

Trans. of Vysokomol[ekulyarnye] Soed[ineniya] (USSR) 1963, v. 5, no. 7, p. 1080-1084.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Ornatskaya, V. A. and Seliverstova, M. S.
WHAT KIND OF A BEATING UP MECHANISM SHOULD BE ON NEW LOOMS? (Kakim Dolzhen Byt' Mekhanism Priboya Utka na Novykh Tkatskikh Stankakh?). Aug 64 [14p] 10refs RTS-2515.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19995

Trans. of Tekstil'naya Promyshlennost' (USSR) 1962, v. 22, no. 12, p. 24-29.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Sorokina, N. S., Bogdanov, L. A., Anan'eva, L. A., Kharlashkin, V. I., and Zhila, T. I.
CERTAIN QUESTIONS ON THE CYANOETHYLATION, CARBOXYLATION, ALKYLATION AND ACYLATION OF GELATIN (Nekotorye Voprosy Tsianetilirovaniya, Karboksilirovaniya, Alkilirovaniya i Atsilirovaniya Zhelatina). Aug 64 [12p] 10refs RTS-2643.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19991

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Tekhnologiya Legkoi Promysh[lennosti] (USSR) 1963, no. 3 [33] p. 70-75.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Ustinovich, T. A.
AUTOMATIC DISTRIBUTION OF THE COTTON TO THE CARDS (Avtomatizatsiya Raspredeleniya Khlopka po Chesal'nym Mashinam). Aug 64 [8p] RTS-2677.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19990

Trans. of Mekhanizatsiya i Avtomatizatsiya [Proizvodstva] (USSR) 1964 [v. 18] no. 2, p. 14-15.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Vil'dt, E.O., Krestnikova, N.I. and others.
MISE AU POINT D'UNE IMPRESSION EN TROIS COULEURS SUR TISSUS. Org.78-T.5232.
Order from CNRS G/R-2726

Trans. in French of [Izvestiya Vysshikh Uchebnykh Zavedenii]. Tekhnologiya Tekstil'noi Promyshlennosti (USSR) 1963 [v.7] no.1, p.103-109.

Wegener, W. and Quambusch, D.
RELATIONSHIP BETWEEN ROOM CLIMATE AND THE ELECTROSTATIC CHARGE OF SPINNING MATERIALS. [7p].
Order from SLA $1.10 TT-63-10899

Trans. of Forschungsber[ichte des Landes] Nordrhein-Westfalen (West Germany) 1960, no. 897, p. 72-75.

Zylinski, Tadeusz.
TEXTILE METROLOGY, PT. I
Gladys Zylinska, tr. 1964, 495p refs PL-480 Agr.
Order from OTS HC $5.00 TT-60-21552

Trans. of mono. Metrologia Wlokiennicza, Czesc I, Warsaw, 1956.

Paints and Finishes

Kostecki, C. and others.
A METHOD OF PRODUCTION OF AN EMULSION FLAME-PROOFING AGENT PARTICULARLY SUITABLE FOR COATING AND IMPREGNATING OF INFLAMMABLE MATERIALS. Nov 64.
Order from TTIS $6.30 TTIS NS 263

Trans. of Polish patent 47,140, appl. 17 Jan 62, pub. 24 Sep 63.

Raschig, F.
METHOD FOR THE PRODUCTION OF NOVOLACS. 4p.
Order from SLA $1.10 TT-65-10551

Trans. of German patent 668, 952, cl 12q, gr 20/02, by Ludwigshafen, Rhein, granted 2 Nov 38, pub. 13 Dec 38, appl. R 86, 098 IVc/12a, in force from 11 Oct 32.

Reininger, H.
SPRAYED METAL COATINGS IMPROVED BY IMPREGNATION. Oct 64, 3800words.
Order from HB $8.50 HB-6282

Trans. of Metall-Reiningung Vorbehandlung (West Germany) 1964, v. 13, no. 3, p. 48-52.

Uvira, J.
CLADDING OF TUBES WITH METALS AND PLASTICS. Oct 64, 5500 words.
Order from HB $14.80 HB-6243

Trans. of Neue Hütte (East Germany) 1964, v. 9, no. 3, p. 165-171.

Photographic Materials

METHOD FOR THE PRODUCTION OF NOVOLACS. 4p 1ref
Order from SLA $1.10 TT-65-10550

Trans. of German patent 673,828, cl 12 q, gr 20 02, by F. Raschig G.m.b.H., granted 9 Mar 39, pub. 29 Mar 39, in force as of 3 Jan 33. (addition to patent 668,952, 11 Oct 32).

MOWILITH DISPERSIONS FOR USE IN THE PREPARATION OF PAINTS. [11p].
Order from SLA $1.60 TT-64-20442

Trans. of mono. (report) of Farbwerke Höchst, Frankfurt a. M. (Germany) n.d.

Baudin, J.
PHOSPHATIZING IN A SOLVENT PHASE. [10p] (4 figs and 1 table omitted)
Order from SLA $1.10 TT-65-10107

Trans. of Chimie des Peintures (Belgium) 1957, v. 20, p. 105-111.

Holfapfel, Luise and Kayser, Theodor.
PROCESS FOR PREPARING ORGANIC SILICON FLUORIDE COMPOUNDS. 5p.
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Trans. of German patent application M 5815, cl 39 c, gr 30, by Max-Planck Gesellschaft zur Förderung der Wissenschaften, Göttingen - Max-Planck Institut für Silikatforschung, Berlin-Dahlem, filed 24 Apr 51, pub. 4 Dec 52, later pub. as German patent 889,695, granted 14 Sep 54.

Lierg, Friedrich.
PROCESS FOR THE PREPARATION OF COLOR TRANSPARENCIES WITH TRUE COLOR AND TONE VALUES, ESPECIALLY FOR THE PURPOSE OF COLOR PRINGING. 6p.
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Trans. of German patent 744,729, 16 Feb 39.

Zelikman, V. and Dmietrieva, V. A.
SOME SPECIAL FEATURES OF THE PREPARATION OF "THIN LAYER" MOTION PICTURE FILM (Nekotorye Osobennosti Izgotovleniya "Tonkosloinykh" Kinofotoplenok). 14p 26refs.
Order from TC $14.50 TC-355

Trans. of Tekhnika Kino i Televideniya (USSR) 1964, v. 8, no. 3, p. 7-14.

Plastics

ACCELERATORS FOR POLYURETHAN FOAMS. 6p.
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Trans. of German patent application F 12,669, cl 39 b, gr 22/04, by Farbenfabriken Bayer A. G., Leverkusen, filed 22 Aug 53, pub. 23 Aug 56.

HOSTALEN. Preliminary Report. [10p].
Order from SLA $1.10 TT-65-10099

Trans. of unidentified mono. (report) of Farbwerke Höchst, A. G., Frankfurt/Main, Apr 55.

MECHANICAL TREATMENT FOR IMPROVING THE PROPERTIES OF POLYETHYLENE. 5p.
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Trans. of German patent application B 25,064, cl 39 a, gr 14, by Badische Anilin- & Soda-Fabrik A. G., Ludwigshafen, filed 4 Apr 55, pub. 6 Oct 55.

NEW SYNTHETIC RESINS AND PROCESS FOR THEIR MANUFACTURE. 7p.
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Trans. of French patent 537, 207, cl XIV, gr 5, by Société pour l'Industrie Chimique à Bale, Switzerland, filed 20 Jun 21, granted 27 Feb 22, pub. 18 May 22 (Priority: Switzerland, 26 Jun 20 and 14 May 21).

POLYETHERS OF POLYOLS AND THEIR DERIVATIVES. 32p.
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Trans. of French patent 1, 267, 377, by Pittsburg Plate Glass Co., U. S., granted 12 Jun 61 (Priority: U. S., 12 Aug 59).

POLYMERIC RESINS AND METHOD OF THEIR PRODUCTION. 15p.
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Trans. of Belgian patent 503, 549, by Koppers Co., Inc., Pittsburgh, Pa., USA, filed 26 May 51, pub. 26 Sep 52, patented 15 Jun 51.

POLYMERIZATION OF EPOXIDES AND NEW PRODUCTS OBTAINED. 20p 3refs.
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Trans. of Belgian patent 557, 834, by Union Carbide and Carbon Corp., USA. n. d.

PROCESS FOR CONTINUOUS PRODUCTION OF LINEAR POLYURETHANS FROM DIISOCYANATES AND GLYCOLS. 8p.
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Trans. of German patent application I 75, 976 IVc/39c, by I. G. Farbenindustrie A. G., Wolfen, Germany, filed 1942, pub. 1943.

PROCESS FOR CURING EPOXY RESINS. 6p.
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Trans. of German patent application C 4871, cl 39 c, gr 2, by Chemische Werke Albert, Wieshaden, filed 25 Oct 51, pub. 17 Sep 53.

PROCESS FOR PREPARATION OF POLYMERS STRENGTHENED BY CHARGES CALLED "STRENGTHENED" AND PRODUCTS OBTAINED. 5p.
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Trans. of French patent 1, 166, 653, Internat. cl C 08, by Polyplastic, filed 2 Feb 57, granted 23 Jun 58 pub. 13 Nov 58.

PROCESS FOR PREVENTING SHRINKAGE OF POLYURETHAN FOAMS. 4p.
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Trans. of German patent application F 15, 521, cl 39b, gr 22/04, by Farbenfabriken Bayer A. G., filed 19 Aug 54, pub. 4 Oct 56.

PROCESS FOR PRODUCING FOAMS FROM HYDROXYL LINEAR OR BRANCHED POLYETHERS OR POLYTHIOETHERS AND POLYISOCYANATES. 9p.
Order from SLA $1.10 TT-64-30913

Trans. of German patent application F 17, 717, cl 39 b, gr 22/04, by Farbenfabriken Bayer A. G., Leverkusen, filed 11 Jun 55, pub. 18 Oct 56.

PROCESS FOR PREPARING STABLE AQUEOUS DISPERSIONS OF POLYVINYL ESTERS. 5p.
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Trans. of German patent application F 12, 585, cl 39 c, gr 25/01, by Farbwerke Höchst A. G., Frankfurt-Höchst, filed 13 Aug 53, pub. 29 Dec 55.

PROCESS FOR PREPARATION OF HARDENING AGENTS FOR EPOXY RESINS. 13p 3refs.
Order from SLA $1.60 TT-64-30932

Trans. of German patent application N 3020, cl 39 c, gr 16, by N. V. de Bataafsche Petroleum Maatschappij, The Hague, filed 16 Oct 54, pub. 4 Nov 54.

PROCESS FOR POLYMERIZING EPOXIDES USING AS CATALYSTS THE ALKALINE EARTH METAL DERIVATIVES OF ORGANIC HYDROXY COMPOUNDS AND NEW COMPOSITIONS OBTAINED. 21p.
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Trans. of Belgian patent 557, 833, by Union Carbide and Carbon Corp. USA, n. d.

PROCESS FOR OBTAINING GRAFTED (ATTACHED) COPOLYMERS AND PRODUCTS OBTAINED. 3p.
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Trans. of French patent 1, 166, 607, Internat. cl C 08 f, by Polyplastic, filed 31 Jan 57, granted 23 Jun 58, pub. 13 Nov 58.

PROCESS FOR IMPROVEMENT OF LOW-PRESSURE POLYETHYLENES. 6p 5refs.
Order from SLA $1.10 TT-64-30939

Trans. of Belgian patent 546, 742, by Farbwerke Höchst A. G., Frankfurt, 4 Apr 56.

PROCESS FOR PROMOTING CO_2 EVOLUTION IN THE FOAMING OF POLYURETHANS. 4p
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Trans. of German patent application F 12, 647, cl 39 b, gr 22/04, by Farbenfabriken Bayer A. G., filed 19 Aug 53, pub. 25 Oct 56.

PROCESS FOR THE IMPROVEMENT OF POLYMERS AND PRODUCTS OBTAINED. 7p 1ref.
Order from SLA $1.10 TT-65-10589

Trans. of French patent 1,166,652, Internat. cl C 08, by Polyplastic, filed 2 Feb 57, granted 23 Jun 58, pub. 13 Nov 58.

PROCESS FOR THE PRODUCTION OF THERMOPLASTIC MATERIALS CONTAINING BLOWING AGENTS. 3p.
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Trans. of French patent 1,142,158, by Badische Anilin- & Soda-Fabrik A. G., Ludwigshafen/Rhein, filed 24 Feb 56, granted 25 Mar 57, pub. 13 Sep 57 (Priority: Germany 2 Mar 55).

SOLUBLE URETHAN POLYADDUCTS FROM COMPOUNDS WITH AT LEAST TWO HYDROXYL GROUPS AND POLYVALENT ORGANIC ISOCYANATES. 12p 2refs.
Order from SLA $1.60 TT-64-30911

Trans. of German patent application F 12,977, cl 39 c, gr 6, by Farbenfabriken Bayer A. G., Leverkusen, filed 7 Oct 53, pub. 25 Oct 56.

Bartl, Herbert, Holtschmidt, Hans, and Bayer, Otto.
PROCESS FOR THE PRODUCTION OF PLASTICS. 7p 1ref.
Order from SLA $1.10 TT-65-10652

Trans. of German patent application F 16,407, cl IVb, gr 39c, by Farbenfabriken Bayer A. G., Leverkusen-Bayerwerk, n.d.

Bayer, O.
POLYURETHANES. 26p (formulae tables omitted) 7refs.
Order from SLA $2.60 TT-64-20566

Trans. of mono. (report) of I. G. Farbenindustrie, A. G., Leverkusen (Germany) 24 Sep 41.

Bayer, O.
POLYURETHANES. [27p].
Order from SLA $2.60 TT-65-10141

Trans. of mono. (report) of I. G. Farbenindustrie, A. G., Leverkusen, 24 Sep 41.
Another trans. is available from SLA $2.60 as TT-64-20566 [26p].

Fikentscher, Hans, and Fricker, Rolf.
PROCESS FOR THE PRODUCTION OF THE BEAD-FORMING MIXED POLYMER OF VINYL PROPIONATE. 5p.
Order from SLA $1.10 TT-65-10609

Trans. of German patent application B 32,974, cl IVb, gr 39c, by Badische Anilin- & Soda-Fabrik A. G., Ludwigshafen/Rhein, n.d.

Hruby, Mirko.
HEAT TRANSFER IN TUBULAR REACTORS IN EMULSION POLYMERIZATION PROCESSES [Odvod Tepla u Trubkovych Reaktoru pri Emulsnich Polymeracich]. [19p] 12refs.
Order from CTS(Chem) $16.80 CTS(Chem)-377

Trans. of Chemicky Prumysl (Czechoslovakia) 1957, v. 7[(32), no. 6] p. 321-326.
Another trans. is available in French from OTS, ETC or CNRS $2.60 as TT-62-28775, CNRS-VII 72, 26p.

Landler, Yvan and Landler, Pierre.
IMPROVEMENTS BROUGHT ABOUT IN THE POLYMERIZATION OF ATTACHED (GRAFTED) COPOLYMERS. 6p 1ref.
Order from SLA $1.10 TT-65-10602

Trans. of French patent 1,166,608, internat. C 08 f, by Polyplastic, filed 31 Jan 57, granted 23 Jun 58, pub. 13 Nov 58.

Landler, Yvan and Lebel, Pierre.
IMPROVEMENTS PROCURED IN THE PREPARATION OF GRAFTED COPOLYMERS. 22p 1ref.
Order from SLA $2.60 TT-65-10590

Trans. of French patent 1,161,824, internat. cl C 08, by Polyplastic, filed 24 Nov 56, granted 3 Mar 58 pub. 4 Sep 58, Improvement of patent 1,101,682, 3 Mar 57.

Landler, Yvan and Lebel, Pierre.
PROCESS FOR ATTACHING ON OBJECTS MANUFACTURED FROM POLYMERS. 9p 2refs.
Order from SLA $1.10 TT-65-10604

Trans. of French patent 1,166,173, Internat. cl C 08, by Polyplastic, filed 2 Feb 57, granted 16 Jun 58, pub. 4 Nov 58.

Madebach, K.-J.
PROCESS FOR THE PRODUCTION OF PHENOLIC RESINS MODIFIED WITH MELAMINE RESINS. Nov 64.
Order from TTIS $11.25 TTIS NS 275

Trans. of E[ast] German patent 26,571, appl. 24 May 60, pub. 27 Dec 63.

Michel, Jean-Marie, and Riou, Marcel.
NEW TYPES OF GRAFTED POLYMERS. 12p.
Order from SLA $1.60 TT-65-10509

Trans. of French patent 802,321, by Pechiney, filed 7 Aug 59.

Orthner, Ludwig, Wagner, Hermann, Wagner, Georg, Cönen, Max, and Kimpel, Walter.
PROCEDURE FOR THE PRODUCTION OF POLYURETHANE. (Verfahren zur Herstellung von Polyurethanen). 10p (foreign text included).
Order from SLA $1.10 TT-65-10639

Trans. of German patent 925,612, cl 39 c, gr 6, by Farbwerke Höchst A. G., Frankfurt/Main, granted 24 Feb 55, pub. 24 Mar 55, appl. F-3776 IVc/39c, 26 Aug 54, in force since 29 Dec 42 (Addition to German patent 912,863, granted 25 Jan 41).

Pinten, Peter.
METHOD FOR THE PRODUCTION OF RUBBER-LIKE PLASTICS. 5p.
Order from SLA $1.10 TT-65-10547

Trans. of German patent 932,633, by Dynamit-Actien-Gesellschaft vormals Alfred Nobel & Co., granted 13 Mar 43.

Richard, K. and Gaube, E.
THE COLD STRETCHING OF LOW PRESSURE POLYETHYLENE (Die Kaltverstreckung bei Niederdruckpolyaethylen). 18p (8 figs omitted) 4refs.
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Trans. of Kunststoffe (West Germany) 1956, v. 46, no. 6, p. 262-269.
Another trans. is available from SLA as 57-1063 [29p]

Sartori, G., Ciampelli, F., and Cameli, N.
POLYMERIZATION OF NORBORNENE. [14p] 8refs.
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subsequent copies $2.20/ea.

Trans. of la Chimica e l'Industria (Italy) 1963, v. 45, no. 12, p. 1478-1482.

Schade, H. and Dissinger, K.
PROCESS FOR LINING CONTAINERS, TUBES AND THE LIKE WITH POLYAMIDES. Nov 64.
Order from TTIS $10.00 TTIS NS 276

Trans. of E[ast] German patent 26,722, appl. 17 Mar 62, pub. 9 Jan 64.

Thomas.
ACCOUNT CONCERNING THE POLYMERIZATION AND COPOLYMERIZATION OF FLUORINATED VINYL CHLORIDE. 9p.
Order from SLA $1.10 TT-65-10689

Condensed trans. of German (report) Bericht über die Polymerisation und Mischpolymerisation der Fluorierten Vinylchloride, n.p., Jan 39. (PB-33008 (part of 17668), Frames 1557-1565).

Rubber and Elastomers

POLYURETHAN ELASTOMERS OF HIGH TENSILE STRENGTH. 6p.
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Trans. of German patent application D 5906, cl 39c, gr 6, by Dynamit-A.G. vormals Alfred Nobel & Co., Troisdorf filed 23 Sep 44, pub. 13 Mar 55.

POLYURETHAN ELASTOMERS OF IMPROVED PROPERTIES. 7p.
Order from SLA $1.10 TT-64-30846

Trans. of German patent application F 12,298, cl 39 b, gr 22/04, by Farbenindustrie Bayer A. G., Leverkusen, filed 8 July 53, pub. 11 Aug 55.

Bell, Alan, Kibler, Charles Jacob, and Smith, James Graham.
NEW ELASTOMERIC POLYESTERS AND PROCESS FOR THEIR PREPARATION. 18p.
Order from TC $18.50 TC-353

Trans. of French patent 1,359,090, 16 Mar 64, by Eastman Kodak Co.

Crespi, G. and Arcozzi, A.
STUDY OF THE CROSSLINKING OF LOW-UNSATURATION RUBBERS. [15p] 6refs.
Order from CTS(Chem) $9.60 CTS(Chem)-369
subsequent copies $1.60/ea.

Trans. of la Chimica e l'Industria (Italy) 1964, v. 46, no. 2, p. 151-155.

Crespi, G., Natta, G., and Flisi, U.
INTERNAL AND CONFIGURATIONAL ENERGY OF ELASTOMERS BASED ON ETHYLENE AND PROPYLENE. [12p] 20refs.
Order from CTS(Chem) $8.80 CTS(Chem)-372
subsequent copies $1.50/ea.

Trans. of la Chimica e l'Industria (Italy) 1964, v. 46, no. 7, p. 746-751.

Marconi, W., Mazzei, A., Araldi, M., and Malde, M. de.
POLYMERIZATION OF BUTADIENE WITH TITANIUM HALIDES AND DERIVATIVES OF ALUMINUM HYDRIDE. [15p] 15refs.
Order from CTS(Chem) $14.00 CTS(Chem)-363
subsequent copies $2.30/ea.

Trans. of la Chimica e l'Industria (Italy) 1964, v. 46, no. 3, p. 245-251.

Price, C. C.
POLYMERIZATION OF OLEFIN OXIDES. 22p.
Order from SLA $2.60 TT-65-10523

Trans. of Belgian patent 607,024, improvement over patent 566,583, granted 8 Apr 58, by General Tire and Rubber Company, USA (Priority: U. S., 8 Aug 60, by C. C. Price).
Another trans. is available from OTS or SLA $2.60 as TT-62-18656 [21p].

Wood and Paper

Gromov, V. S.
THE INFLUENCE OF SOME SALTS UPON THE PROCESS OF WOOD DELIGNIFICATION (K Voproxu o Vliyanii Nekotorykh Solei na Protsessy Delignifikatsii Drevesiny). [29p] (foreign text included) 11refs.
Order from SLA $2.60 TT-64-10585

Trans. of Akad[emiya] Nauk Latv[iiskoi] SSR, Riga. Institut Lesokhoz[yaistvennykh] Problem i Khimii Drevesiny. Trudy, 1959, v. 17, p. 105-114. Another trans. is available from OTS or SLA $2.60 as TT-61-20834 [29p].

Siimes, F. E.
DRYING OF SAWDUST. Feb 64, 18p 2refs.
FPRB Trans. no. 164.
Order from NRC NRC-C-4985

Trans. of Small-sized Timber Research Commission, Helsinki (Finland). Publication-104, 1960, 27p.

MATHEMATICS

AMERICAN MATHEMATICAL SOCIETY TRANSLATIONS, SER. 2, VOL. 40. 1964, 290p.
Order from AMS

Translations of 9 articles on functional analysis and numerical analysis from 1960-62 issues of 4 Russian journals.

Separate entries have been prepared for the individual articles.

AMERICAN MATHEMATICAL SOCIETY TRANSLATIONS, SER. 2, VOL. 41. 1964, 317p.
Order from AMS

Translations of 5 articles on partial differential equations from 1956-62 issues of 2 Russian journals.

Separate entries have been prepared for the individual articles.

Besov, O. V.
INVESTIGATION OF A FAMILY OF FUNCTION SPACES IN CONNECTION WITH THEOREMS OF IMBEDDING AND EXTENSION (Issledovanie Odnogo Zemeistva Funktsional'nykh Prostranstv v Svyazi s Teoremami Vlozheniya i Prodolzheniya)
George Biriuk, tr. 1964, 42p 40refs.
Order from AMS in American Mathematical Society Translations, 1963, ser. 2, v. 40, p. 85-126

Trans. of [Akademiya Nauk SSSR]. Mat[ematicheskii] Inst[itut]. Trudy, 1961, v. 60, p. 42-81.

Chzhou, Yui-lin'.
BOUNDARY VALUE PROBLEMS FOR NONLINEAR PARABOLIC EQUATIONS (Kraevye Zadachi dlya Nelineinykh Parabolicheskikh Uravnenii)
L. Longdon, tr. 1964, 59p 21refs.
Order from AMS in American Mathematical Society Translations, 1964, ser. 2, v. 41, p. 155-213

Trans. of Mat[ematicheskii] Sb[ornik] (USSR) 1959, v. 47(89) [no. 4] p. 431-484.

Dezin, A. A.
INVARIANT DIFFERENTIAL OPERATORS AND BOUNDARY PROBLEMS (Invariantnye Differentsial'nye Operatory i Granichnye Zadachi)
J. M. Danskin, tr. 1964, 103p 29refs.
Order from AMS in American Mathematical Society Translations, 1964, ser. 2, v. 41, p. 215-317

Trans. of [Akademiya Nauk SSSR]. Mat[ematicheskii] Inst[itut]. Trudy, 1962, v. 68, p. 3-88.
A partial trans. (p. 1-25) is available from OTS, SLA or ETC $4.60 as TT-64-10720 [35p].

Dzhrbashyan, M. M.
ON QUASI-ISOMETRIC MAPPINGS OF THE FUNCTION SPACES $L^2_{\sigma_1}(a_1, b_1)$, $L^2_{\sigma_2}(a_2, b_2)$ (O Kvaziizometricheskom Otobrazhenii Prostranstv Funktsii $L^2_{\sigma_1}(a_1, b_1)$, $L^2_{\sigma_2}(a_2, b_2)$)
R. W. Carroll, tr. 1964, 30p 6refs
Order from AMS in American Mathematical Society Translations, 1963, ser. 2, v. 40, p. 127-156

Trans. of Akad[emiya] Nauk SSSR. Izv[estiya]. Ser[iya] Mat[ematicheskaya] 1961, v. 25, p. 87-112.

Eidel'man, S. D.
FUNDAMENTAL SOLUTIONS OF PARABOLIC SYSTEMS I (O Fundamental'nykh Resheniyakh Parabolicheskikh Sistem, I)
J. M. Danskin, tr. 1964, 48p 18refs.
Order from AMS in American Mathematical Society Translations, 1964, ser. 2, v. 41, p. 1-48

Trans. of Mat[ematicheskii] Sb[ornik] (USSR) 1956, v. 38(80) [no. 1] p. 51-92.
Another trans. is available free from Boeing Scientific Research Labs. Library as Boeing Trans. R53. When supply is exhausted, order from OTS or SLA $7.60 as TT-62-18860 [73p].

Eidel'man, S. D.
FUNDAMENTAL SOLUTIONS OF PARABOLIC SYSTEMS II (O Fundamental'nykh Resheniyakh Parabolicheskikh Sistem, II)
J. M. Danskin, tr. 1964, 72p 21refs.
Order from AMS in American Mathematical Society Translations, 1964, ser. 2, v. 41, p. 49-120

Trans. of Mat[ematicheskii] Sb[ornik] (USSR) 1961, v. 53(95) p. 73-136.

Gorskii, A. A.
SYNTHESIS OF SYSTEMS TO ACCOMPLISH OPTIMUM FILTRATION. 16 Dec 63 [20p] 3refs FTD-TT-63-1108.
Order from OTS or ETC HC $1.00, MF $0.50 AD-428 502

Unedited rough draft trans. of #A[kademiya] N[auk]
SSSR. Izvestiya. Tekhnicheskaya Kibernetika, 1963,
no. 1, p. 42-50.

Gram, J.P.
THE EXPANSION OF REAL FUNCTIONS IN SERIES BY MEANS OF THE LEAST SQUARES METHOD
(Über die Entwicklung Reeller Funktionen in Reihen mittelst der Methode der Kleinsten Quadrate) tr. by
Jerome Danburg. Aug 62, 38p. 10 refs. Am Met
Soc-T-G-184+.
Order from ETC $3.60 TT-63-27219

Trans. of Journal für die Reine und Angewandte
Mathematik (Germany) 1883, v.94, no.1,
p.41-73.
Also available on loan from OTS as Lots 2432.

Kublanovskaya, V. N.
APPLICATION OF THE TRIANGULAR POWER METHOD AND OF THE LR AND ΛP ALGORITHMS TO MATRICES PARTITIONED INTO BLOCKS (Primenenie Truegol'nogo
Stepennogo Metoda, Algorifmov LR iΛP k Matritsam,
Razbitym na Kletki)
H. N. Browne, tr. 1964, 13p 8refs.
Order from AMS in American Mathematical Society
Translations, 1963, ser. 2, v. 40, p. 257-269

Trans. of [Akademiya Nauk SSSR.]. Mat[ematicheskii]
Inst[itut]. Trudy, 1962, v. 66, p. 136-146.

Kublanovskaya, V. N.
SOLUTION OF THE EIGENVALUE PROBLEM FOR AN ARBITRARY MATRIX (Reshenie Problemy Sobstvennykh
Znachenii dlya Proizvol'noi Matritsy)
Lisa Rosenblatt, tr. 1964, 27p 8refs.
Order from AMS in American Mathematical Society
Translations, 1963, ser. 2, v. 40, p. 229-255

Trans. of [Akademiya Nauk SSSR]. Mat[ematicheskii]
Inst[itut]. Trudy, 1962, v. 66, p. 113-135.

Kublanovskaya, V. N. and Faddeeva, V. N.
COMPUTATIONAL METHODS FOR THE SOLUTION OF A GENERALIZED EIGENVALUE PROBLEM
(Vychislitel'nye Metody dlya Resheniya Obobshchennoi
Problemy Sobstvennykh Znachenii)
B. Seckler, tr. 1964, 20p 5refs.
Order from AMS in American Mathematical Society
Translations, 1963, ser. 2, v. 40, p. 271-290

Trans. of [Akademiya Nauk SSSR] Mat[ematicheskii]
Inst[itut]. Trudy, 1962, v. 66, p. 147-165.

Lidskii, V. B.
SUMMABILITY OF SERIES IN THE PRINCIPAL VESTORS OF NON-SELFADJOINT OPERATORS (O
Summiruemosti Ryadov po Glavnym Vektoram
Nesamosopryazhennykh Operatorov)
A. Feinstein, tr. 1964, 36p 26refs.
Order from AMS in American Mathematical Society
Translations, 1963, ser. 2, v. 40, p. 193-228

Trans. of Moskov[skoe] Mat[ematicheskoe]
Obshch[estvo]. Trudy (USSR) 1962, v. 11, p. 3-35.

Lunts, G. L.
ON SERIES OF THE TAYLOR-DIRICHLET TYPE
(O Ryadakh Tipa Teilora-Dirikhle). Aug 64 [14p] 2refs
RTS-2599.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19993

Trans. of Akad[emiya] Nauk Arm[yanskoi] SSR
[Erevan]. Izv[estiya]. Ser[iya] Fiz[iko]-Mat[ematicheskikh] Nauk, 1961, v. 14, no. 2, p. 7-16.
Another trans. is available from OTS $0.50 as
TT-63-11593, NRL-Trans-933, 1963, 12p.

Legibility of this document is in part unsatisfactory.
Reproduction has been made from best available copy.

Lyubich, Yu. I.
ON INEQUALITIES BETWEEN THE POWERS OF A LINEAR OPERATOR (O Neravenstvakh Mezhdu
Stepenyami Lineinogo Operatora)
J. M. Danskin, tr. 1964, 46p 20refs.
Order from AMS in American Mathematical Society
Translations, 1964, ser. 2, v. 40, p. 39-84

Trans. of Akad[emiya] Nauk SSSR. Izv[estiya]. Ser[iya]
Mat[ematicheskaya] 1960, v. 24, p. 825-864.

Shmul'yan, Yu. L.
SOME QUESTIONS IN THE THEORY OF OPERATORS WITH FINITE NON-HERMITIAN RANK (Nekotorye
Voprosy Teorii Operatorov s Konechnym Rangom
Neermitovosti)
J. R. Brown, tr. 1964, 36p 13refs.
Order from AMS in American Mathematical Society
Translations, 1963, ser. 2, v. 40, p. 157-192

Trans. of Matematicheskii Sbornik (USSR) 1962,
v. 57(99) p. 105-136.

Shtraus, A. V.
CHARACTERISTICSFUNCTIONS OF LINEAR OPERATORS (Kharakteristicheskie Funktsii Lineinykh
Operatorov)
V. I. Filippenko, tr. 1964, 37p 30refs.
Order from AMS in American Mathematical Society
Translations, 1964, ser 2, v. 40, p. 1-37.

Trans. of Akad[emiya] Nauk SSSR. Izv[estiya]. Ser[iya]
Mat[ematicheskaya] 1960, v. 24 [no. 1] p. 43-74.

Slobodetskii, L. N.
THE FUNDAMENTAL SOLUTION AND THE CAUCHY PROBLEM FOR PARABOLIC SYSTEMS (O
Fundamental'nom Reshenii i Zadache Koshi dlya
Parabolicheskoi Sistemy)
Eberhard Gerlach, tr. 1964, 34p 11refs.
Order from AMS in American Mathematical Society
Translations, 1964, ser. 2, v. 41, p. 121-154

Trans. of Mat[ematicheskii] Sb[ornik] (USSR) 1958,
v. 46(88) [no. 2] p. 229-258.

Stoer, Josef.
ON A DUALITY THEOREM IN NONLINEAR PROGRAMMING. 5p 3refs.
Order from SLA $1.10 TT-64-18411

Trans. of Numerische Mathematik (West Germany)
1964, v. 6 [no. 1] p. 55-58.

MECHANICS

Beresnev, B. I., Bulychev, D. K., and Martynov, E. D.
APPARATUS FOR THE STUDY OF THE PLASTICITY OF METALS UNDER HIGH PRESSURE. Oct 64, 1800 words.
Order from HB $4.30 HB-6396

Trans. of #Zavodskaya Laboratoriya (USSR) 1964, v. 30, no. 8, p. 1017-1019.

Fastov, N.S.
DEFORMATION ENGENDREE DANS UN CORPS AU STADE DE FLUAGE STATIONNAIRE ET PASSAGE DU MICROFLUAGE AU MACROFLUAGE DU POINT DE VUE DE LA THERMODYNAMIQUE DES PROCESSUS IRREVERSIBLES. Org.2-IRSID-1986 U.242.
Order from CNRS G/R-2623

Trans. in French of Akademiya Nauk SSSR. Doklady, 1961, v.137, no.2, p.323-326.

Huzita, T.
MOUVEMENT D'UN PROJECTILE RENCONTRANT LA SURFACE DE L'EAU SOUS UN ANGLE QUELCONQUE. 46p. (foreign text included) 8 refs. CNRS-XV 64.
Order from ETC or CNRS $4.60 TT-62-29142

Trans. in French of Hiroshima Univ. Journal of Science. Series A (Japan) 1955, v. 19, no. 1, p. 137-156.

Ivanova, V.S.
METHODE RAPIDE DE MESURE DE LA LIMITE DE FATIGUE D'APRES LA CONTRAINTE CRITIQUE DE FATIGUE. Org.2-IRSID-1748 U.23.
Order from CNRS G/R-2622

Trans. in French of #Zavodskaya Laboratoriya (USSR) 1960, v.26, no.5, p.593-598.

Ka'apetyan, K.S.
FLUAGE DU BETON SOUS L'EFFET DE CONTRAINTES ELEVEES. 16p. 10 refs. CNRS-XV 74.
Order from ETC or CNRS $1.60 TT-63-26045

Trans. in French of Akademiya Nauk Armyanskoi SSR, Erevan. Izvestiya, 1953, v.6, no.2, p.79-89.

Kacprzynski, Jerzy.
THE WAVE SOLUTION OF THE DYNAMIC PROBLEM OF AN ELASTIC-PLASTIC BEAM. 18p (14 figs omitted 3refs.
Order from SLA $1.60 TT-64-18587

Trans. from Zagadnienia Drgan Nieliniowych (Poland) 1960, v. 1.

Kirakosyan, P. M.
EQUILIBRIUM OF MOMENTLESS SHELLS OF ROTATION UNDER CONDITIONS OF NONLINEAR CREEP OF A MATERIAL (Rivnovaga Bezmomentnykh Obolnok Obertaniya v Umovakh Povzuchosti).
Oct 64 [10p] 9refs RTS-2583.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60352

Trans. of Prykladna Mekhanika (USSR) 1963 [v. 9] no. 2, p. 126-132.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Koshelev, P. F.
THE SITE OF THE BOUNDRY BETWEEN THE REGIONS OF ELASTIC AND ELASTOPLASTIC DEFORMATION OVER THE SMALLEST CROSS-SECTION OF A DEEP-NOTCHED BAR UNDER A TENSION LOAD (O Polozhenii Granitsy Mezhdu Oblastyami Uprugikh i Naimenshemu Secheniyu pri Rastyazhenii Sterzhnya s Glubokoi Vytochkoi).
Oct 64 [13p] 7refs RTS-2692.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60357

Trans. of A[kademiya] N[auk] SSSR. Izv[estiya]. Mekh[anika] i Mash[inostroenie] 1962, no. 3, p. 160-163.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Petukhov, B. S. and Nol'de, L. D.
HEAT TRANSFER DURING THE VISCOUS-GRAVITATIONAL FLOW OF A LIQUID THROUGH PIPES (Teploobmen pri Vyazkostno-Gravitatsionnom Techenii Zhidkosti v Trubakh). Aug 64 [22p] 6refs RTS-2640.
Available on loan from OTS TT-64-23532

Trans. of Teploenergetika (USSR) 1959, v. 6, no. 1, p. 72-80.

Podstrigach, Ya. S.
ON DIFFUSION RELAXATION OF THERMAL STRESSES (O Diffuzionnoi Relaksatsii Teplovykh Napryazhenii). Jul 64 [10p] 9refs. RTS-2525.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19956

Trans. of Teplov[ye] Napr[yazheniya] v [Elementakh Turbomashin] (USSR) 1962, no. 2, p. 171-175.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Serensen, S.V. and Buglov, E.G.
LA RESISTANCE DES PIECES EN LIAISON AVEC LA REPRESENTATION STATISTIQUE DE LA CHARGE ET DES CARACTERISTIQUES DE LA FATIGUE. Org.2-IRSID-2260 U.272.
Order from CNRS G/R-2636

Trans. in French of #Vestnik Mashinostroeniya (USSR) 1960 [v.40] no.11, p.23-32.

Yakubenko, A. E.
CERTAIN PROBLEMS CONCERNING THE MOVEMENT OF A CONDUCTIVE FLUID IN A PLANE CHANNEL (Nekotorye Zadachi Dvizheniya Provodyashchei Zhidkosti v Ploskom Kanale). Sep 64, 9p 4refs NASA Technical Trans. F-241.
Order from OTS HC $0.50, MF $0.50 N64-29499

Trans. of Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki (USSR) 1963, no. 6, p. 7-12.

Zadoyan, M. A.
CREEP OF A CONCRETE PLATE SUBJECTED TO THE ACTION OF GAMMA RADIATION (O Polzuchesti Betonnoi Plity pri Vozdeistvii Gamma-Izlucheniya). Aug 64 [10p] RTS-2450.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19941

Trans. of A[kademiya] N[auk] Arm[yanskoi] SSR [Erevan]. Dokl[ady] 1960, v. 30, no. 5, p. 257-263.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Zhigulev, V.N.
SUR L'ECOULEMENT D'UN GAZ HORS D'EQUILIBRE. Org.152-63-0671 T.11134.
Order from CNRS G/R-2755

Trans. in French of Akademiya Nauk SSSR. Doklady, 1963, v.149, no.6, p.1278-1281. Another trans. is available in English from AIP $4.00.

Hydrodynamics, Hydraulics, and Hydrostatics

Goncharov, V. N.
DYNAMICS OF CHANNEL FLOW
Z. Lerman, tr. 1964 [326p] 16refs PL-480 Int.
Order from SLA HC $7.00 TT-64-11003

Trans. of mono. Dinamika Ruslovykh Potokov, Leningrad, 1962 [374p].

Profit, A.
FLOW OF WATER IN GRANULAR MATERIALS. I. LAWS OF VERTICAL FILTRATION. II. SAND FILTERS. III. CAPILLARY ASCENSION IN GRANULAR MATERIALS. IV. PRACTICAL METHODS FOR APPLYING THE PRECEDING STUDIES. V. FROM RATIONAL ANALYSIS TO EXPERIMENTAL ANALYSIS. [1964] 61p (7 figs omitted)
Order from SLA $6.60 TT-64-16129

Trans. of l'Eau (France) 1954, v. 41, no. 2, p. 27-32; no. 4, p. 71-72; no. 7, p. 127-133; no. 9, p. 163-166; no. 12, p. 233-237.

METALLURGY

Psarev, V.I.
SUR LA SOLUBILITE DU CARBONE DANS LA FERRITE. Org.2-IRSID-2005 P.501.
Order from CNRS G/R-2624

Trans. in French of #Fizika Metallov i Metallovedenie (USSR) 1961, v.11, no.6, p.944-945.

Rausch, Werner.
PROCEDURE FOR INCREASING THE CURRENT YIELDS OF MAGNESIUM ELECTRODES (Verfahren zur Erhöhung der Stromausbeute von Magnesiumelektroden). 7p (foreign text included)
Order from SLA $1.10 TT-65-10596

Trans. of German patent 961,813, cl. 21b, gr 8, by Metallgesellschaft, A. G., granted 28 Mar 57, in force as 5 Sept 54, appl. M24,371 IVa/21b, 18 Oct 56.

Romenets, V. A. and Funtov, Yu. E.
COMPARATIVE ANALYSIS OF THE TECHNICAL AND ECONOMIC PERFORMANCE OF 500-TON OPEN-HEARTH FURNACES. Oct 64, 2900 words.
Order from HB $7.80 HB-5854

Trans. of Izvest[iya] V[ysshikh] U[chebnykh] Z[avedenii]. Chern[aya] Met[allurgiya] (USSR) 1962, no. 11, p. 202-208.

Sasaki, K. and others.
EFFECT OF FIRING CONDITIONS ON THE PROPERTIES OF IRON-ORE PELLETS. Oct 64, 1000 words.
Order from HB $3.50 HB-6392

Trans. of Tetsu to Hagane (Japan) 1964, v. 50, no. 3, p. 325-327.

Schauf, G. and Thelen, K.
AUTOMATED SENDZIMIR COLD ROLLING MILL. Nov 64.
Order from BISI £5 10s BISI-3916

Trans. of Bander, Bleche, Rohre (West Germany) 1963 [no. 2] p. 73-80.

Schlusnus, K.-H. and Koch, F. O.
INSPECTION OF SPIRALLY WELDED PIPE. Oct 64, 3400words.
Order from HB $4.90 HB-6341

Trans. of Bänder, Bleche, Rohre (West Germany) 1963, no. 6, p. 282-287.

Shoji, K. and Yamada, Sh.
CONTROLLED ATMOSPHERES IN FURNACES FOR THE SINTERING OF IRON POWDER PRODUCTS. Oct 64, 750 words.
Order from HB $3.30 HB-6261

Trans. of Tetsu to Hagane (Japan) 1963, v. 49, no. 10, p. 1507-1508.

Shorshorov, M. Kh.
ROLE OF VACANCIES IN THE MECHANISM OF DELAYED FRACTURE IN STEEL AND TITANIUM ALLOYS. Jul 64 [26p] 26refs RTS-2508.
Order from OTS or ETC HC $2.00, MF $0.50
TT-64-19933

Trans. of A[kademiya] N[auk] SSSR. O[tdelenie] T[ekhnicheskikh] N[auk]. Izv[estiya]: Metallurgiya i Toplivo, 1962, no. 4, p. 70-77.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Silber, A. and Blaas, H.
X-RAY FLUORESCENCE ANALYSIS OF SLAGS. Oct 64, 2600 words.
Order from HB $7.50 HB-6352

Trans. of Berg- und Hüttenmännische Monatshefte (Austria) 1964, v. 109, no. 7, p. 237-242.

Takei, T. and others.
BEHAVIOR OF ALUMINUM NITRIDE IN STEEL.
Oct 64, 1500 words.
Order from HB $5.30 HB-6287

Trans. of Tetsu to Hagane (Japan) 1964, v. 50, no. 12, p. 2006-2008.

Wasilewski, L. and Zaleski, J. Z.
PRODUCTION OF LITHIUM IN THE ELECTROLYZER CONSTRUCTED BY THE CHEMICAL RESEARCH INSTITUTE. Paper presented at the Conference of Polish Chemists (no. 3) Loov, 1933. [14p] (6 figs omitted) 1ref.
Order from SLA $1.60 TT-64-20822

Trans. of Przemysl Chem[iczny] (Poland) 1934, v. 18, p. 628-633.

Wassmuth, Heinrich.
PROCEDURE FOR THE CONTINUOUS SEPARATION OF AMALGAMS INSOLUBLE IN MERCURY FROM EXCESS MERCURY AND AN ARRANGEMENT TO CARRY OUT THE PROCESS. (Verfahren zum Kontinuierlichen abtrennen von in Quecksilber Unlöslichen Amalgamen vom Uberschüssigen Quecksilber und Vorrichtung zur Durchfuhrung des Verfahrens) 9p (foreign text included).
Order from SLA $1.10 TT-65-10635

Trans. of German patent 1,022,383, cl 40a, gr 21/50, internat. cl C22b, by Franz Kohler, Vienna, pub. 9 Jan 58, appl. K 23,461, VI/40a, 15 Sept 54.

Watanabe, Jun.
MERCURY-METHOD ALKALI ELECTROLYTIC CELL. [6p] (foreign text included).
Order from SLA $1.10 TT-65-10511

Trans. of Japanese patent publication Showa 31-7021, cl 15 F 212.123, by Nippon Keikinzoku Kabushiki Kaisha, filed 18 Sep 54, pub. 18 Aug 56, appl. 20,127, 1954.

Wiesner, F., Zezulova, M., and Dusek, J.
EXPERIMENTAL PRODUCTION OF PLASTIC-CLAD STEEL STRIP AT A CZECH STEELWORKS.
Oct 64, 6100 words.
Order from HB $18.30 HB-5870

Trans. of Hutnik (Czechoslovakia) 1963, v. 13, no. 5, p. 225-230.

Yaroshevich, V. D.
EVALUATION OF THE SUSCEPTIBILITY OF METALS TO COLD EMBRITTLEMENT. Oct 64, 1300 words.
Order from HB $3.40 HB-6398

Trans. of #Zavodskaya Laboratoriya (USSR) 1964, v. 30, no. 9, p. 1119-1121.

Ferrous Metals

CONTINUOUS PICKLING OF STEEL IN BATHS CONTAINING DIBENZYL SULPHOXIDE INHIBITOR.
Nov 64.
Order from TTIS $3.60 TTIS NS 267

Trans. of Polish patent 47,695, appl. 2 Jul 62, pub. 21 Dec 63, by Instytyt Metalurgii Zelaza im. Stanislawa Staszica.

LOW SILICON-COPPER ANTIFRICTION IRON ALLOY.
Nov 64.
Order from TTIS $2.70 TTIS NS 271

Trans. of Polish patent 48,023, appl. 18 Dec 62, pub. 25 Jan 64, by Instytut Odlewnictwa.

A PROCESS FOR THE PRODUCTION OF HIGH QUALITY IRON CONCENTRATES FROM IRON-CONTAINING SANDS. Nov 64.
Order from TTIS $8.10 TTIS NS 264

Trans. of Polish patent 47,522, appl. 27 Dec 62, pub. 11 Nov 63, by Akademia Gorniczo-Hutnicza.

Alderisio, A., Gauzzi, F., and Mauro, A.
THERMOMAGNETIC TREATMENTS OF STEELS FOR NON-ORIENTED GRAIN TRANSFORMERS. Nov 64.
Order from BISI £ 3 15s BISI-3915

Trans. of la Metallurgia Italiana, 1963, v. 55 [no. 9] p. 449-455.

Asano, E. and Ishida, T.
ETUDE DES ACIERS DE CONSTRUCTION A HAUTE RESISTANCE. II. INFLUENCE DU BORE ET DU MOLYBDENE SUR LES CARACTERISTIQUES MECANIQUES D'ACIERS FAIBLEMENT ALLIES AU SILICIUM-MANGANESE ET AU SILICIUM-MANGANESE-CHROME. Org.2-4694 U.51.
Order from CNRS G/X-916

Trans. in French of Tetsu to Hagane (Japan) 1961, v.47, no.4, p.585-591.

Asano, E. and Suseki, A.
ETUDE DES ACIERS DE CONSTRUCTION A HAUTE RESISTANCE. I. INFLUENCE DU VANADIUM, DU CHROME, DU TITANE ET DU ZIRCONIUM SUR LES CARACTERISTIQUES MECANIQUES DE L'ACIER AU SILICIUM-MANGANESE. Org.2-4692 U.51.438.
Order from CNRS G/X-915

Trans. in French of Tetsu to Hagane (Japan)1959, v.45, no.10, p.1158-1163.

Bachmair, A. and Kaes, H.
NONDESTRUCTIVE TESTING OF BOILER AND SUPERHEATER TUBING. Oct 64, 2800 words.
Order from HB $8.40 HB-6326

Trans. of V[ereinigung der] G[rosskessel]b[esitzer]. Mitteilungen (West Germany) 1964, no. 88, p. 42-45.

Bernshtein, M.L. and Shtremel, M.A.
L'INFLUENCE "HEREDITAIRE"DE L'ECROUISSAGE SUR LES CARACTERISTIQUES MECANIQUES DE L'ACIER. Org.2-P.403-536.
Order from CNRS G/R-2605

Trans. in French of #Fizika Metallov i Metallovedenie (USSR) 1963, v.15, no.1, p.82-90.

Boulanger, Ch.
PLASTIC DEFORMATION IN IRON AND MILD STEELS (WITH DISCUSSION). Nov 64.
Order from BISI # 6 BISI-3914

Trans. of Revue de Métallurgie (France) 1950, v. 47 [no. 7] p. 547-557.

Broit, S.M.
AMELIORATION DE LA TENUE DES VOUTES DE FOURS MARTIN BASIQUES. Org.2-4703 P.221.
Order from CNRS G/R-2610

Trans. in French of #Stal' (USSR) 1963, v.23, no.6, p.516-518.

Bron, V.A., Simonov, K.V., and Pivnik, L.Ya.
REVETEMENT DE FOUR A ARC DE 100 t EN BRIQUES DE MAGNESIE A LIANT DE SPINELLE. Org.2-4704 P.231.
Order from CNRS G/R-2611

Trans. in French of #Stal' (USSR) 1963, v.23, no.6, p.519-523.

Bühler, H. and Pfalzgraf, H. G.
THE RELIEF OF CASTING STRESSES BY JOLTING, PT. I. Oct 64, 6400 words.
Order from HB $15.80 HB-6293

Trans. of Giesserei (West Germany) 1964, v. 51, no. 8, p. 194-199.

Chudnovskaya, L. A.
THERMOMAGNETIC TEMPERING OF 18-4-1 TYPE HIGH-SPEED STEEL. Oct 64, 900 words.
Order from HB $2.90 HB-6284

Trans. of #Metallovedenie i Term[icheskaya] Obrab[otka] Metallov (USSR) 1964, no. 5, p. 10-13.

Dazai, S. and others.
ON THE RELATIONSHIP BETWEEN THE REHEATING CONDITIONS AND THE HOT WORKABILITY OF SOME COMMERCIAL STEELS. Oct 64, 1500words.
Order from HB $5.30 HB-6221

Trans. of Tetsu to Hagane (Japan) 1963, v. 49, no. 10, p. 1627-1629.

Dneprenko, K.V. and Borisenko, V.G.
LE RECUIT BRILLANT ET DECARBURANT DANS UN FOUR A CLOCHE DES BOBINES DE BANDES POUR TOLES DE TRANSFORMATEURS. Org.2-4713 P.455 U.556.
Order from CNRS G/R-2617

Trans. in French of #Stal' (USSR) 1962, v.22, no.9, p.835-838.

Fujii, T. and others.
ON THE RATE OF PHOSPHORUS REMOVAL IN THE BASIC OXYGEN PROCESS. Oct 64, 1800words.
Order from HB $6.30 HB-6314

Trans. of Tetsu to Hagane (Japan) 1964, v. 50, no. 3, p. 409-412.

Goldfarb, E.M. and others.
ETUDE DE LA SOLIDIFICATION DE GROS LINGOTS A SECTION RECTANGULAIRE. Org.2-4710 P.303.
Order from CNRS G/R-2616

Trans. in French of #Stal' (USSR) 1963 [v.23] no.1, p.22-25.

Golikov, I.N. and Muzalevskii, O.G.
PERSPECTIVES OFFERTES PAR DES INSTALLATIONS COMBINEES DE COULEE CONTINUE ET DE LAMINAGE DE L'ACIER. Org.2-4720 P.315.
Order from CNRS G/R-2619

Trans. in French of Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya: Metallurgiya i Toplivo, 1962 [v.32] no.5, p.9-14.
Another trans. is available in English from HB $8.90 as HB-5800, 1963.
Other translations are available in English from HB $8.90 as HB-5800, Feb 63, 3400 words; OTS or SLA $1.10 as TT-63-13483. JPRS-16733, 17 Dec 62 [10p]; SIC $12.00; SIC in Russian Metallurgy and Fuels, 1962, no. 5, $68.00/year.

Gorin, I.G.
REPARATION PAR SOUDAGE DES LINFOTIERES EN FONTE. Org.2-4695 P.314-U.895.
Order from CNRS G/R-2604

Trans. in French of #Avtomaticheskaya Svarka (USSR) 1962, v.15, no.7, p.68-70.

Grabar', L.P., Zaitseva, A.D., and Tunkov, V.P.
ETUDE STATISTIQUE DE L'INFLUENCE DE FACTEURS TECHNOLOGIQUES SUR LES CARACTERISTIQUES MAGNETIQUES DES ACIERS A BAS CARBONE. Org.2-4663 U.551.
Order from CNRS G/R-2601

Trans. in French of #Stal' (USSR) 1963, v.23, no.5, p.416-418.

Grabovetskii [A.P.]
ENDURANCE A LA FATIGUE DES ACIERS DE CONSTRUCTION CHROMES. Org.38-Bull.Doc. Nov.1963.
Order from CNRS G/R-2647

Trans. in French of #Metallovedenie i Termicheskaya Obrabotka Metallov (USSR) 1962, no.10, p. 22-23.
Another trans. is available in English from HB $2.80 as HB-5749.

Hamuro, H. and others.
COMPARISON OF COLD-DRAWING PROPERTIES OF LOW CARBON RIMMED STEEL WIRE ROD OF OPENHEARTH AS AGAINST BASIC OXYGEN LD STEEL. Oct 64, 900 words.
Order from HB $3.50 HB-5824

Trans. of Tetsu to Hagane (Japan) 1963, v. 49, no. 10, p. 1635-1637.

Isaev, E.I. and others.
TRACE RATIONNEL DES BUSETTES ET TAMPONS POUR LA COULEE CONTINUE DE L'ACIER.
Org.2-4719 P.312-315.
Order from CNRS G/R-2618

Trans. in French of Izvestiya Vysshikh Uchebnykh Zavedenii. Chernaya Metallurgiya (USSR) 1963, v.6, no.1, p.42-48.
Other translations are available in English from HB $4.80 as HB-5909, 1963 and from OTS $0.75 in TT-63-21578, JPRS-18710, 16 Apr 63 [24p].

Kagan, Ya.I. and Bronin, S.V.
ANALYSE MAGNETIQUE QUANTITATIVE DES CARBURES D'ACIERS ALLIES. Org.2-IRSID-2094 P.535.
Order from CNRS G/R-2627

Trans. in French of #Fizika Metallov i Metallovedenie (USSR) 1959, v.8, no.4, p.535-542.

Karp, S.F
INFLUENCE DES CONDITIONS DE CALMAGE A L'ALUMINIUM SUR LA TENEUR DE L'ACIER EN INCLUSIONS D'OXYDES. Org.2-4709 P. 333-205.
Order from CNRS G/R-2615

Trans. in French of Izvestiya Vysshikh Uchebnykh Zavedenii. Chernaya Metallurgiya (USSR) 1960, no.7, p.49-53.
Another trans. is available in English from HB $5.40 as HB-4927, 1961.

Karpenko, G.V. and Kripyakevich, B.I.
INFLUENCE DE L'ABSORPTION D'HYDROGENE AU COURS DE LA DEFORMATION D'UN ACIER AU CARBONE SUR SES CARACTERISTIQUES MECANIQUES. Org.2-IRSID-1543 U.354.
Order from CNRS G/R-2620

Trans. in French of #Fizika Metallov i Metallovedenie (USSR) 1959, v.8, no.1, p.90-94.
Another trans. is available in German from TIB $1.85.

Kusaka, R. Sasaki, M., and Hamada, H.
NONMETALLIC INCLUSIONS IN STEEL STUDIED BY THE USE OF MICROSCOPIC THIN SECTIONS. Oct 64, 1250words.
Order from HB $4.30 HB-6385

Trans. of Tetsu to Hagane (Japan) 1964, v. 50, no. 3, p. 494-496.

Kuzukara, Y. and Uno, T.
ETUDE DES LINGOTS D'ACIER SEMI-CALME. RELATION ENTRE LE DEGRE DE DESOXYDATION DU BAIN ET LA QUALITE INTERNE DES LINGOTS.
Org.2-4698 P.342.
Order from CNRS G/R-917

Trans. in French of Tetsu to Hagane (Japan) 1958, v.44, no.9, p.979-981.

Kvitko, M.P., Shumov, M.M., and Afanas'ev, S.G.
CONVERSION, DANS UN CREUSET A OXYGENE, DE FONTE A FAIBLE TENEUR EN MANGANESE.
Org.2-4701 P.216-186 U.411.
Order from CNRS G/R-2608

Trans. in French of #Stal' (USSR) 1963, v.23, no.6, p.501-508.

Lutsyak, V. G. and others.
TEMPERING OF CARBON STEEL ACCELERATED BY ULTRASONIC VIBRATIONS. Oct 64, 750 words.
Order from HB $2.80 HB-6417

Trans. of #Metallovedenie i Term[icheskaya] Obrabotka Metallov (USSR) 1964, no. 10, p. 57-58.

Maehara, S. and others.
STUDY OF THE OXYGEN AND SULFUR CONTENTS OF BASIC OXYGEN STEEL MADE IN A FIVE-TON PILOT FURNACE. Oct 64, 900 words.
Order from HB $3.80 HB-5507

Trans. of Tetsu to Hagane (Japan) 1958, v. 44, no. 9, p. 1062-1063.

Mishchenko, N.M., Belevtsov, G.A., and Rotmistrovskii, B.M.
AUTOMATISATION DES COWPERS. Org.2-4700 P. 122.
Order from CNRS G/R-2607

Trans. in French of #Stal' (USSR) 1963, v.23, no.6, p.497-499.

Molinder, G.
DIAGRAMS FOR ISOTHERMAL TRANSFORMATION VALID FOR SOME SWEDISH STANDARDIZED TOOL STEELS.
Order from BISI £ 5 15s BISI-1643

Trans. of Jernkon[torets] Tekn[iska] Rad. Meddelander (Sweden) 1954 [v. 18] no. 203, p. 263-290.
Another trans. is available from SLA $2.60 as TT-62-14194 [27p].

Nishioka, T.
DEFORMATION DES TENSIONS RESIDUELLES DANS LES FILS EN ACIER. Org.2-4690 U.205-517.
Order from CNRS G/X-913

Trans. in French of Nihon Kinzoku Gakkai-Shi (Japan) 1956, v.20, no.8, p.424-427.

Omarov, A.K. and Khlebnikov, A.E.
DESULFURATION DE L'ACIER MARTIN EN POCHE, AU MOYEN D'UN MELANGE DE CHAUX, DE SPATH FLUOR ET DE FERRO-SILICIUM. Org.2-IRSID-2230 P.204.
Order from CNRS G/R-2632

Trans. in French of Izvestiya Vysshikh Uchebnykh Zavedenii. Chernaya Metallurgiya (USSR) 1960, no.8, p.29-33.

Petrzilka, O.
SUR LA PRODUCTION DE PROFILES ECONOMIQUES. Org.2-U.511 4715.
Order from CNRS G/X-952

Trans. in French of Hutnik (Czechoslovakia) 1962, v.12, no.11, p.526-527.

Prokhorenko, K.K., Ishchuk, N.Ya., and Vasil'ev, N.E.
REPARTITION DES INCLUSIONS NON METALLIQUES DANS DES LINGOTS EN ACIER POUR ROULEMENTS. Org.2-4684 P.333-U.525.
Order from CNRS G/R-2603

Trans. in French of Voprosy Proizvodstva Stali (USSR) 1961, v.8, p.70-77.

Prokhorenko, K.K., Ishchuk, N.Ya., and Vvedenskii, V.S.
ETUDE SUR LA REDUCTION DE LA TENEUR EN INCLUSIONS NON METALLIQUES D'UN ACIER DE CONSTRUCTION FAIBLEMENT ALLIE AU CHROME-NICKEL-MOLYBDENE, ELABORE AU FOUR A ARC. Org.2-4683 P.333-205-P.234.
Order from CNRS G/R-2602

Trans. in French of Voprosy Proizvodstva Stali (USSR) 1961, v.8, p.55-69.
Another trans. is available in English from BISI £6 10s as BISI-3641, May 64.

Smrcek, K., Rericha, R., and Kandl, J.
INFLUENCE DE LA TENSION SUPERFICIELLE DES FRACTIONS SOLIDE ET LIQUIDE DE LA CHARGE SUR LES CONDITIONS DU BOULETAGE DES MINERAIS DE FER ET LA RESISTANCE A VERT DES BOULETTES. Org.2-IRSID-2226 P.113.
Order from CNRS G/X-954

Trans. in French of Hutnicke Listy (Czechoslovakia) 1961, v.16, no.5, p.318-324.

Sumilov, K.A.
REGULATION AUTOMATIQUE DU REGIME THERMIQUE DU HAUT FOURNEAU. Org.2-IRSID-2228 P.132.
Order from CNRS G/X-956

Trans. in French of Hutnicke Listy (Czechoslovakia) 1962, v.17, no.6, p.425-430.

Tajiri, I.
CREUSETS LD: PROFIL ET CONDITIONS DE SOUFFLAGE. Org.2-4691 P.216.
Order from CNRS G/X-914

Trans. in French of Tetsu to Hagane (Japan) 1961, v.47, no.3, p.352-353.

Tanoue, T. and Ikeda, T.
EFFECTS OF MANGANESE, ALUMINUM, TITANIUM, ZIRCONIUM, VANADIUM, COLUMBIUM AND CHROMIUM UPON THE IRON-SULFUR SYSTEM. Pt. I. of a Study of Sulfide Inclusions in Steel. Oct 64, 1300words.
Order from HB $4.50 HB-5823

Trans. of Tetsu to Hagane (Japan) 1963 [v. 49] no. 10, p. 1459-1461.

Troshin, N.F. and Makarenko, A.K.
EVALUATION DE LA DUREE OPTIMALE DE REFROIDISSEMENT DES LINGOTIERES APRES MOULAGE. Org.2-P.314 4697.
Order from CNRS G/R-2606

Trans. in French of # Stal' (USSR) 1963, v.23, no.2, p.187-188.

Tumarev, A.S. and Urazgil'deev, A.Kh.
INFLUENCE DU MANGANESE SUR LA VITESSE DE DESULFURATION PAR DES LAITIERS D'UN FER TECHNIQUEMENT PUR RESULFURE. Org.2-IRSID-2124 P.204.
Order from CNRS G/R-2629

Trans. in French of Izvestiya Vysshikh Uchebnykh Zavedenii. Chernaya Metallurgiya (USSR) 1961, no.4, p.38-45.

Turkenich, D.I.
POSSIBILITES D'AUTOMATISATION DE LA CONVERSION A L'OXYGENE. Org.2-4702 P.216.
Order from CNRS G/R-2609

Trans. in French of # Stal' (USSR) 1963, v.23, no.6, p.510-515.

Uchiyama, I. and Sumita, M.
BEHAVIOR OF (Fe.Mn)O INCLUSIONS IN ROLLING. Pt. 2 of Deformation of Nonmetallic Inclusions in Steel During Rolling. Oct 64, 1200 words.
Order from HB $4.20 HB-6405

Trans. of Tetsu to Hagane (Japan) 1964, v. 50, no. 3, p. 496-498.

Usova, L.F.
ETUDE DE L'INFLUENCE DE L'OXYGENE SUR LES PROPRIETES DE L'ACIER A BAS CARBONE PAR LA METHODE DU FROTTEMENT INTERIEUR. Org.2-IRSID-2095 U.423.
Order from CNRS G/R-2628

Trans. in French of mono. Relaksatsionnye Yavleniya v Metallakh i Splavakh. Trudy Mezhvuzovskogo Soveshchaniya [Relaxation Phenomena in Metals and Alloys: Transactions of the Inter-Institute Conference] Moscow, 1960, p. 138-145.

Voinov, S.G.
MECANISME DE FORMATION ET REPARTITION DES INCLUSIONS D'OXYDES DANS UN ACIER POUR ROULEMENTS. Org.2-4705 P.333.
Order from CNRS G/R-2612

Trans. in French of # Stal' (USSR) 1963, v.23, no.6, p.523-528.
Another trans. is available in English from OTS $1.00 $1.00 in TT-63-31336, JPRS-20261, 19 Jul 63, 34p.

Wiesner, F. and Tichopadova, E.
INFLUENCE DE LA TENEUR EN SOUFRE DU MAZOUT SUR LA SULFURATION DE L'ACIER AU COURS DE SON RECHAUFFAGE. Org.2-P.413 4711.
Order from CNRS G/X-951

Trans. in French of Hutnicke Listy (Czechoslovakia) 1960, v.15, no.12, p.923-929.
Another trans. in French is available from OTS, ETC or CNRS $3.60 as TT-63-26914, CNRS-G/X-320, 31p.

Zadny, I.
AVANTAGES DE L'ELABORATION DE L'ACIER AU CONVERTISSEUR A OXYGENE PUR. Org.2-P.216 4716.
Order from CNRS G/X-953

Trans. in French of Hutnik (Czechoslovakia) 1962, v.12, no.1, p.5-8.

Zinov'ev, N.V.
COMPTE RENDU DU CONGRES DE LUTUGINO LUGANSK SUR LA FABRICATION ET L'UTILISATION DES CYLINDRES DE LAMINOIRS EN FONTE. Org.2-4707 P.418 U.912.
Order from CNRS G/R-2614

Trans. in French of #Stal' (USSR) 1963, v.23, no.6, p.547-552.

Light Metals

PROCESS FOR OPERATING CONTINUOUS ELECTRODES, PARTICULARLY FOR THE ELECTROLYSIS IN A MOLTEN BATH, AND CARBON BLOCKS FOR THE OPERATION OF THIS PROCESS (Procédé pour Faire Fonetionner des Electrodes Continues, Notamment pour l'Electrolyse en Bain de Fusion, et Blocs de Charbon pour la Mise en Ouvre de ce Procede). 14p (foreign text included) 1ref.
Order from SLA $1.60 TT-65-10524

Trans. of French [addition] patent 68,628, cl 7, gr 12, by Vereinigte Aluminum-Werke A. G., Germany, filed 21 June 55, granted 6 Jan 58, pub. 5 May 58, second addition to patent 1,080,982, granted 7 July 53, first addition No. 65,794 (Priority; Germany, appl. 21 June 54).

PROCEDURE FOR THE CONTINUOUS SEPARATION OF AMALGAMS OF SIMPLE METALS INTO METAL AND MERCURY AND A DEVICE FOR THE EXECUTION OF THIS PROCESS. 9p (2 figs omitted).
Order from SLA $1.10 TT-65-10578

Trans. of German patent 947,571, n.d.

Althof, W.
NONDESTRUCTIVE TESTING OF METAL-TO-METAL ADHESIVE BONDS BY THE ULTRASONIC PULSE-ECHO TECHNIQUE. Oct 64, 2900words.
Order from HB $8.70 HB-6246

Trans. of Materialprüfung (West Germany) 1964, v. 6, no. 2, p. 56-62.

Bagaryatskii, Yu.A. and Lukanina, I.G.
ETUDE AUX RAYONS X DU STADE INITIAL DE LA DECOMPOSITION DE LA SOLUTION SOLIDE DANS L'ALLIAGE FER-NICKEL-ALUMINIUM. Org.2-IRSID-2249 U.55.
Order from CNRS G/R-2633

Trans. in French of Akademiya Nauk SSSR. Doklady. 1963, v.148, no.3, p.573-576.

Busby, Arthur Donald and Dixon, Ronald Herbert Thomas.
PROCESS FOR INTRODUCTION OF MAGNESIUM IN IRON, ESPECIALLY PIG IRON MELTS. [4p] 1ref.
Order from SLA $1.10 TT-65-10512

Trans. of German patent 1,090,241, by The Mond Nickel Co., Ltd., London, filed 21 Apr 52, granted 6 Oct 60.

Dehmel, G.
PROCESS FOR THE ELECTROLYTIC DEPOSITION OF A ZINC-CADMIUM ALLOY. Nov 64.
Order from TTIS $7.20 TTIS NS 279

Trans. of E[ast] German patent 30,406, appl. 2 Mar 60, pub. 25 Jul 64.

Dolgov, V. M.
INFLUENCE OF INCOMPLETE FILLING UPON BLAST FURNACE WORKING. Oct 64, 2100 words.
Order from HB $5.80 HB-6330

Trans. of Izvest[iya] V[ysshikh] U[chebnykh] Z[avedenii]. Chern[aya] Met[allurgiya] (USSR) 1964 [v. 7] no. 7, p. 43-47.

Gokhberg, M. M.
INVESTIGATIONS INTO THE FATIGUE STRENGTH OF CERTAIN WELDED JOINTS IN CRANE LATTICE STRUCTURES (Issledovaniya Ustalostnoi Prochnosti Nekotorykh Svarnykh Soedinenii Kranovykh Reshetchatykh Konstruktsi). Aug 64 [10p] RTS-2415.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19939

Trans. of Politekhnicheskii Institut, Leningrad. Trudy (USSR) 1958, no. 199, p. 48-52.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Gubin, G.V., Pevnikotsa, L.A., and Kucher, A.M.
GRILLAGE MAGNETISANT DES QUARTZITES OXYDES DE KRIVOJ-ROG. Org.2-IRSID-2187 P.112.
Order from CNRS G/R-2631

Trans. in French of Izvestiya Vysshikh Uchebnykh Zavedenii. Chernaya Metallurgiya (USSR) 1963, no. 6, p. 32-34 [sic].

Gulyanitskaya, Z. F., Chizhikov, D. M., and Bogovarova, N. N.
ELECTRIC AND HEAT CONDUCTIVITIES OF FUSED SULFIDES OF LEAD, COPPER, ZINC AND IRON. 16p (16 figs omitted) 6refs.
Order from SLA $1.60 TT-64-30975

Trans. of [Akademiya Nauk SSSR]. Inst[itut] Met[allurgii, Moscow]. Trudy, 1957, no. 2, p. 54-64.

Henschke, W.
PROCESS FOR CASTING STEEL, IRON AND OTHER METALS INTO MOULDS WITHOUT RISERS AND FOR CASTING INGOTS WITHOUT CAVITIES. Nov 64.
Order from TTIS $7.50 TTIS NS 274

Trans. of E[ast] German patent 26707, appl. 11 Aug 61, pub. 9 Jan 64.

Hoenig, F.
TRIALS WITH MAGNESIA BRICKS FROM VEITSCHER MAGNESITWERKE A. G. IN LD AND KALDO CONVERTERS. Nov 64.
Order from BISI £2 15s BISI-3898

Trans. of Centre [de] Doc[umentation] Sider[urgique]. Circ[ulaire d'Informations Techniques] (France) 1964 [v. 21] no. 2, p. 517-521.

Hohn, Hans, Fitzer, Erich, Schlager, Ottilie, and Nedwed, Hubert.
PROCEDURE FOR THE PRODUCTION OF METAL SALTS AND OTHER METAL COMPOUNDS BY REACTING THE LIQUID AMALGAM OF THE METAL. 10p (2 figs omitted) 4refs.
Order from SLA $1.10 TT-65-10507

Trans. of German patent 958, 736, filed 30 Aug 56, granted 31 Jan 57, in force since 31 Oct 52.

Höhne, K.
POSSIBILITIES OF THE NONDESTRUCTIVE TESTING OF SPRAYED-METAL DEPOSITS. Oct 64, 4900words.
Order from HB $12.50 HB-6268

Abridged trans. of Schweisstechnik (East Germany) 1963, v. 13, no. 2, p. 55-56.

Hurum, Fredrik.
BRIQUETTES FOR DESULFURIZATION, DEOXIDATION, PURIFICATION, REFINEMENT AND DEGASTIFICATION OF A METAL MELT. 8p 4refs.
Order from SLA $1.10 TT-65-10623

Trans. of German patent 1,046,331, cl 40a, gr 15/01, Internat. cl. C 22 b, by Dr. Fredrik Hurum, Dürener Strasse, Lammersdorf über Aachen, filed 23 Dec 55, granted and pub. 11 Dec 58. appl. H 25,832 VI/40a.

Ishino, Toshio, Kosaki, Yoshio, and Matsubayashi, Hiroshi.
ELECTROLYTIC APPARATUS. [9p] (foreign text included)
Order from SLA $1.10 TT-65-10510

Trans. of Japanese patent publication Showa 31-7002, cl 10 A 231.01, by Tochigi Kagaku Kogyo Kabushiki Kaisha, filed 13 Apr 55, pub. 18 Aug 56, appl. 10,666, 1955.

Isler, Fritz.
INSTALLATION FOR DECOMPOSITION OF ALKALI-AMALGAMS. 4p (2 figs omitted).
Order from SLA $1.10 TT-65-10545

Trans. of Swiss patent 280,178, by Krebs and Co., A.G., filed 10 July 48, granted 15 Jan 52.

Kamecki, Julian and Sedzimir, Jerzy.
PRECIPITATION OF COBALT FROM AQUEOUS SOLUTIONS OF ITS BY THE ACTION OF METALLIC ZINC (Wytracanie Kobaltu z Wodnych Roztworow Jego Soli Dzialaniem Metalicznego Cynku)
J. Lange, tr. 1964 [21p] 15refs PL-480 Int.
Order from OTS HC $0.50 TT-63-11388

Trans. of Archiwum Gornictwo i Hutnictwa (Poland) 1955, v. 3, no. 3, p. 379-400.

Karsten, H.
EXPERIMENTS ON THE OPERATION OF A REVERSE BLAST DUST REMOVER. Nov 64.
Order from BISI £5 15s BISI-3889

Trans. of Staub (West Germany) 1964 [v. 24, no. 6] p. 205-210.

Kodama, K., Shigemi, A., and Horio, T.
ON THE PROPERTIES OF [IRON-ORE] PELLETS. Oct 64, 1800 words.
Order from HB $6.30 HB-6397

Trans. of Tetsu to Hagane (Japan) 1964, v. 50, no. 3, p. 327-330.

Köhler, W. and others.
QUALITY REQUIREMENTS TO BE MET BY DOLOMITE IN BASIC OXYGEN FURNACES. Oct 64, 3700 words.
Order from HB $9.80 HB-6322

Trans. of Stahl und Eisen (West Germany) 1964, v. 84, no. 15, p. 909-913.

Kostyleva, L. A. and Tatarinov, G. A.
DETERMINATION OF SILICON IN GRAY IRONS BY THE THERMO-EMF METHOD. Oct 64, 250 words.
Order from HB $2.00 HB-6080

Trans. of #Zavodskaya Laboratoriya (USSR) 1964, v. 30, no. 9, p. 1074.

Kozin, L. F.
ELECTROLYZER WITH AMALGAM ANODES (Elektrolizers Amal'gamnymi Anodamj) 5p (foreign text included).
Order from SLA $1.10 TT-65-10575

Trans. of Russian patent 124,628, cl 40c, gr 6, appl. 620,131/22, 23 Feb 59.

Kraev, A. S.
ARRANGEMENT FOR THE WEAR TESTING OF METALS DURING ROLLING ACCOMPANIED BY TRANSVERSE SLIP. Oct 64, 900 words.
Order from HB $2.80 HB-6367

Trans. of #Zavodskaya Laboratoriya (USSR) 1964, v. 30, no. 6, p. 753-755.

Kulmburg, A., Blöch, R., Swoboda, K., and Plöckinger, E.
SPECIAL FIELDS OF APPLICATION FOR HIGH-TEMPERATURE MICROSCOPY. Nov 64.
Order from BISI £4 BISI-3907

Trans. of Berg- und Hüttenmännische Monatshefte (Austria) 1964, v. 109, no. 3, p. 114-119.

Lihl, F., Hohn, H., and Kirnbauer, H.
PROCEDURE FOR THE PRODUCTION OF ALLOYS FROM AMALGAM MIXTURES. 8p.
Order from SLA $1.10 TT-64-10636

Trans. of Austrian patent 199,376, by Siemens & Halske, G.m.b.H., granted Aug 58.

Maeda, M. and others.
SILICON REMOVAL FROM BASIC (OPEN-HEARTH) HOT METAL BY OXYGEN BLOWING. Oct 64, 1300words.
Order from HB $4.80 HB-5672

Trans. of Tetsu to Hagane (Japan) 1959, v. 45, no. 9, p. 883-885.

Milyavskii, Yu. S.
ACCELERATED PROCEDURE FOR DETERMINING SULFATE ION IN CHROMIUM-PLATING BATHS. Oct 64, 300 words.
Order from HB $2.00 HB-6195

Trans. of #Zavodskaya Laboratoriya (USSR) 1964, v. 30, no. 9, p. 1074-1075.

Mori, T. and others.
TITANIUM CARBIDE, TITANIUM NITRIDE AND TITANIUM CARBONITRIDE IN STEEL. Oct 64, 1300 words.
Order from HB $4.50 HB-5825

Trans. of Tetsu to Hagane (Japan) 1964, v. 50, no. 12, p. 2004-2006.

Müller, H. and Schulz, J.
OPERATION OF BASIC OXYGEN FURNACES WITH SPECIAL REFERENCE TO THE REFRACTORY-LINING LIFE. Oct 64, 4900 words.
Order from HB $12.70 HB-6332

Trans. of Neue Hütte (East Germany) 1964, v. 9, no. 7, p. 390-397.

Naidich, Yu. B. and Kolesnichenko, G. A.
WETTABILITY OF DIAMOND CRYSTALS. Pt. 3 of [Investigation] of the Wetting of Diamond and Graphite [with Liquid Metals]. Oct 64, 1900 words.
Order from HB $4.90 HB-6331

Trans. of Poroshkovaya Metallurgiya (USSR) 1964 [v. 4] no. 3, p. 23-28.

Neshpor, V. S.
PREPARATION OF LANTHANUM BORIDE BY REDUCTION OF LANTHANUM OXIDE WITH BORON CARBIDE (Prigotovlenie Borida Lantana Putem Vosstanovleniya Okisi Lantana Karbidom Bora). Oct 64 [11p] 13refs RTS-2558.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60350

Trans. of mono. Vysokotemperaturnye Metallokeramicheskie Materialy, AN UkrSSR, 1962, p. 96-101.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Okerblom, N. O.
CALCULATION OF ENDURANCE OF WELDED STRUCTURES WITH REGARD TO WELDING STRESSES (Raschet Vynoslivosti Svarnykh Konstruktsii s Uchetom Napryazhenii, Voznikayushchikh pri Svarke). Oct 64 [32p] 9refs RTS-2417.
Order from OTS or ETC HC $2.00, MF $0.50
TT-65-60359

Trans. of Politekhnicheskii Institut, Leningrad. Trudy (USSR) 1958, no. 199, p. 26-47.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Pavlik, O., Mutina, E., and Bakala, E.
NEWLY DEVELOPED OIL BURNERS FOR OPEN-HEARTH FURNACES. Nov 64.
Order from BISI £7 5s BISI-3888

Trans. of Hutnik (Czechoslovakia) 1963, v. 13, no. 10, p. 483-488.

Plankina, A.V., Belikov, P.E., and Chaikin, I.K.
FABRICATION DE CYLINDRES EN FONTE INOCULEE AU MAGNESIUM POUR TRAINS A TOLES MINCES. Org.2-4706 P.418.
Order from CNRS G/R-2613

Trans. in French of #Stal' (USSR) 1963, v.23, no.6, p.544-546.
Another trans. is available in English from OTS, SLA, or ETC $1.10 as TT-64-13012, DSIR-NLL-M.5410, Sep 63 [10p].

Popov, L.E. and others.
LE MECANISME DE LA FORMATION DE L'ETAT K DANS LES ALLIAGES NICKELCHROME DEFORMES A FROID. Org.2-IRSID-2159 U.131.
Order from CNRS G/R-2630

Trans. in French of Akademiya Nauk SSSR. Doklady, 1962, v.142, no.1, p.72-74.

Consalvo, Attilio.
PROCESS FOR THE PRODUCTION OF METALLIC ALUMINUM BY ELECTROLYSIS. 4p (1 fig omitted) 1ref.
Order from SLA $1.10 TT-65-10583

Trans. of Belgian patent 433,112, by Société International des Conburants "Brevets Consalvo", Societe Anonyme Holding, granted 1939.

Egami, Ichiro.
CELL FOR THE CONTINUOUS PRODUCTION OF MAGNESIUM BY MELT ELECTROLYSIS AND METHODS OF OPERATION. 8p 3refs.
Order from SLA $1.10 TT-65-10544

Trans. of German patent 1,123,837, cl 40 c, gr 6/02, Internat. cl C 22 d, filed 13 June 56, pub. 15 Feb 62.

Hache, Andre.
MEASUREMENT OF THE HARDNESS OF FILMS OF ALUMINIUM OXIDE. Report presented at the Congres de Fonderie (no. 15) Lille, 13-14 Nov 36. 5p (figs omitted).
Order from SLA $1.10 TT-60-14459

Trans. from an unidentified French language journal, 1936, v. 11, no. 129, p. 116-117.

Murzov, A. I., Nomofilov, S. I., and Shelamov, V. A.
ROLLING OF STRIP FROM ALUMINUM POWDERS. 2300 words.
Order from HB $8.80 HB-5848

Trans. of mono. Heat-Resisting Materials from Sintered Aluminum Powders, Moscow, 1961, p. 50-58.

Nonferrous (except light) Metals

NONFERROUS METALLURGY, 1963, VOL. 6, NO. 5. 7 Aug 64 [218p] FTD-MT-64-16.
Order from OTS HC $6.00, MF $1.25 AD-608 600

Edited machine trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Tsvetnaya Metallurgiya (USSR) 1963, v. 6, no. 5, p. 1-159.

For table of contents see the "Periodicals Translated Cover-to-Cover" section of this issue.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

PROCESS FOR THE ADDITION OF ALUMINIUM TO ZINC AND METHOD OF CARRYING OUT THIS PROCESS. Nov 64.
Order from TTIS $4.50 TTIS NS 280

Trans. of Swiss patent 379,771, appl. 1 Mar 60, pub. 31 Aug 64, by Reinmetall S. A.

PROCESS FOR THE PREPARATION OF ALKALINE-EARTH METALS AND OF ALLOYS BASED ON ALKALINE-EARTH METALS BY ELECTROLYSIS OF MOLTEN SALT BATHS. 6p.
Available on loan from SLA TT-65-10571

Trans. of Belgian patent 578,671, by Solvay et Cie., Brussels, filed 13 May 58.

Ermolaeva, T. A. and others.
MODIFIED RUTILE TITANIUM DIOXIDE WITH IMPROVED PHYSICAL AND TECHNOLOGICAL CHARACTERISTICS. Nov 64.
Order from TTIS $24.00 TTIS NS 261

Trans. of Lakokrasochnye Mat[erialy i Ikh Primenenie] (USSR) 1962, no. 1, p. 20-25.

Gordon, G. M. and Mikhailov, V. K.
METHOD FOR THE COOLING AND COLLECTION (ENTRAPMENT) OF MERCURY VAPOR (Sposob Okhlazhdeniya i Ulavlivaniya Rtutnikh Parov). 5p (foreign text included).
Order from SLA $1.10 TT-65-10680

Trans. of Russian patent 137,262, cl 40 a, gr 45_{60}, filed 23 Apr 60, pub. 1961.

Kroll, Wilhelm.
IMPROVEMENT OF NICKEL ALLOYS. 3p.
Order from SLA $1.10 TT-65-10653

Trans. of German patent 537,716, by Siemens & Halske Akt. -Ges., Berlin-Siemensstadt, patented 9 Mar 30.

Sakharov, I. N.
LIGNES MECANISEE ET AUTOMATISEE POUR LA FUSION ET LA COULEE DU ZINC.
Org. 156-471.
Order from CNRS G/R-2756

Trans. in French of #Tsvetnye Metally (USSR) 1962 [b/ 35] no. 4, p. 34-40.

Structural Metallurgy and Corrosion

Adachi, Y.
EFFECT OF SURFACE CONDITION OF STEEL ON PITTING CORROSION. Pt. I of Study of Pitting Corrosion in Stainless Steel. Oct 64, 1200 words.
Order from HB $4.20 HB-6388

Trans. of Tetsu to Hagane (Japan) 1964, v. 50, no. 4, p. 565-567.

Doury, C. and Orlowski, P.
THE INFLUENCE OF PHOSPHATING PRIOR TO METALLIC PLATING BY CHEMICAL OR ELECTROLYTIC MEANS. Nov 64.
Order from BISI £ 3 15s BISI-3918

Trans. of Corrosion et Anticorrosion (France) 1964, v. 12 [no. 1] p. 9-14.

Gal'perin, M. Ya., Rovinskii, B. M., and Sinaiskii, V. M.
THE EFFECT OF PLASTIC, TENSILE PRESTRAIN ON THE FATIGUE STRENGTH OF STEEL (O Vliyanii Predvaritel'noi Plasticheskoi Deformatsii Rastyazheniem na Ustalostnuyu Prochnost' Stali)
F. M. Janus, tr. Aug 61 [6p] (foreign text included) 6refs S.M.R.E. Trans. no. 4561; [DSIR] NLL M.3488.
Available on loan from OTS TT-62-23958

Trans. of Akad[emiya] Nauk [SSSR]. Izvest[iya].
Mekhanika i Mashinostr[oenie] 1961, no. 3, p. 161-162.

Gintsburg, Ya. S.
METHODS OF EXTRAPOLATION OF RELAXATION
TEST RESULTS (Metody Ekstrapolyatsii
Rezul'tatov Relaksatsionnykh Ispytanii). Oct 61 [16p]
(foreign text included) 11refs [DSIR] NLL M.3497.
Available on loan from OTS TT-62-24820

Trans. of Izvest[iya] Vyssh[ikh] Ucheb[nykh]
Zaved[enii]. Chernaya Met[allurgiya] (USSR) 1961,
no. 5, p. 132-138.

Ginzburg, E. S., Lipshtein, R. A., and
Khaikina, S. E.
RESISTANCE OF GAS TURBINE ALLOYS AGAINST
VANADIUM CORROSION WHEN USING SULPHUR-CONTAINING FUEL OILS (Stoikost' Metalla Gazovykh
Turbin Protiv Vanadievoi Korrozii pri Primenenii v
Kachestve Topliva Sernistykh Mazutov). Aug 61 [14p]
(foreign text included) [DSIR] NLL M.3508.
Available on loan from OTS TT-62-24905

Trans. of Issled[ovaniya] po Zharoproch[nym] Splavam
(USSR) 1960, v. 6, p. 140-145.

Linchevskii, B. V. and Romanov, V. V.
EFFECT OF CARBON CONTENT ON THE RESISTANCE
OF 18-9 STEELS TO STRESS CORROSION CRACKING.

Paper from Conference on Application of Vacuum in
Metallurgy (no. 3). Oct 64, 1600 words.
Order from HB $4.60 HB-6379

Trans. of mono. Primenenie Vakuuma v Metallurgii,
Moscow, 1963, p. 56-60.

Matsuoka, S.
SUR LA METHODE D'EXAMEN DE LA CORROSION
DU FER PAR LES AGENTS PROTECTEURS DU BOIS.
7p. 4 refs. CNRS-VI 1027.
Order from ETC or CNRS $1.10 63-27887

Trans. in French of Rungyo Shikenjo Kenkyu Hokoku
(Japan) [sic] 1963, no. 148.

Muraki, J. and others.
EFFECTS OF LAMINATIONS ON THE FATIGUE
STRENGTH OF HIGH-TENSILE STEELS. Pt. 1 of
A Study of Defects in Steel Plate. Oct 64, 750 words.
Order from HB $3.30 HB-5822

Trans. of Tetsu to Hagane (Japan) 1963, v. 49, no. 10,
p. 1508-1510.

Narita, K. and Miyamoto, A.
EFFECT OF TANTALUM ON STEEL PROPERTIES.
PT. 4 of Study of Special Elements in Steel. Oct 64,
2200 words.
Order from HB $7.50 HB-6406

Trans. of Tetsu to Hagane (Japan) 1964, v. 50, no. 4,
p. 684-686.

Natapov, B. S.
ON THE METHOD OF INVESTIGATING THE NATURE
OF DESTRUCTION OF STEEL (O Metodike Issledovaniya Kharaktera Razrusheniya Stali). 2 Nov 60, 9p
(figs omitted) 8refs MCL-537.
Order from OTS or ETC HC $1.00, MF $0.50
AD-255 398

Unedited rough draft trans. of Mekhanicheskie Metody
Ispytaniya [sic] (USSR) 1949, no. 5, p. 576-580.

Legibility of this document is in part unsatisfactory.
Reproduction has been made from best available copy.

Rozenfel'd, I. L. and Marshakov, I. K.
THE MECHANISM OF METAL CORROSION IN NARROW
CLEARANCES AND CREVICES. II. THE CORROSION
OF IRON IN INHIBITOR SOLUTIONS (Mekhanizm
Korrozii Metallov v Uzkikh Zazorakh i Shchelyakh.
II. Morroziya Zheleza v Rastvorakh Zanedlitelei).
Jul 64 [24p] 6refs RTS-2394.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19936

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1957,
v. 31, no. 1, p. 72-82.

Legibility of this document is in part unsatisfactory.
Reproduction has been made from best available copy.

Rozenfel'd, I. L., and Pavlutskaya, T. I.
ON THE MECHANISM OF METAL CORROSION
UNDER THIN LAYERS OF ELECTROLITES (O
Mekhanizme Korrozii Metallov pod Tonkimi Sloyami
Elektrolitov). Oct 64 [20p] 12refs RTS-2395.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60361

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1957,
v. 31 [no. 2] p. 328-339.

Legibility of this document is in part unsatisfactory.
Reproduction has been made from best available copy.

Samsonov, G. V., Sinelnikova, V. S., and Kisly, P.S.
"ALLOYS" OF THE BORON CARBIDE-MOLYBDENUM
DISILICIDE SYSTEM. [3p] 5refs [DSIR] NLL M.1694.
Order from OTS or ETC HC $1.00, MF $0.50
TT-61-13511

Trans. of Akademiya Nauk URSR [Kiev]. Dopovidi,
1959, no. 8, p. 866-868.
Another trans. is available from LC or SLA mi $1.80,
ph $1.80 as AEC-tr-4077, 3p.

Legibility of this document is in part unsatisfactory.
Reproduction has been made from best available copy.

Suprun, L.A.
CALCUL DE LA PROTECTION DES CARENES DE
NAVIRES DE MER PAR LA METHODE DES ANODES
GALVANIQUES. Org.113-BFT 1419.
Order from CNRS G/R-2740

Trans. in French of Sudostroenie (USSR) 1961 [v.27]
no.4, p.5-9.

NUCLEAR PHYSICS AND NUCLEAR CHEMISTRY

BULLETIN OF THE BORIS KIDRIC INSTITUTE OF NUCLEAR SCIENCES, 1964, VOL. 15, NO. 2.
D. Ladjevac and G. Todorovic, trs. 1964 [89p] 99refs PL-480 AEC.
Order from OTS HC $1.00 AEC-tr-6227/2

Trans. of Institut za Nuklearne Nauke. Bilten (Yugoslavia) 1964, v. 15, no. 2, p. 63-[151].

For table of contents see the "Periodicals Translated Cover-to-Cover" section of this issue.

Belikov, M. P., Emel'yanov, V. A., and Nesterov, V. E.
USE OF RADIOACTIVE ISOTOPES IN HYDRO ENGINEERING. 1964, 143p 55refs PL-480 Int.
Order from OTS HC $4.00 TT-64-11112

Trans. of mono. Primenenie Radioaktivnykh Izotopov v Gidrotekhnicheskom Stroitel'stve, Moscow, 1961 [163p].

Budylin, B. V. and Vorob'ev, A. A.
EFFECT OF RADIATION ON IONIC STRUCTURES. 1964 [152p] 36refs PL-480 Comm.
Order from SLA HC $5.00 TT-64-11095

Trans. of mono. Deistvie Izluchenii na Ionnye Struktury, Moscow, 1962 [167p].
Another trans. is available from OTS HC $5.00, MF $1.00 as TT-64-71466, 7 May 64 [166p]; a partial trans. (table of contents) is available from OTS $0.50 as TT-63-11682, NRL-Trans-944, 1963, 3p.

Grechishkin, V. S. and Ovchinnikov, I. M.
A DEVICE FOR STUDYING NUCLEAR QUADRUPOLE RESONANCE IN NITROGEN COMPOUNDS. Aug 64 [10p] 8refs RTS-2617.
Available from OTS on loan TT-64-19922

Trans. of Leningrad Univ. Vestnik (USSR) 1960, v. 15, no. 22, Ser[iya] Fiz[ika] i Khim[ii] no. 4, p. 126-129.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Groshev, L. V., Demidov, A. M., Kotel'nikov, G. A., Lutsenko, V. N., and Pelekhov, V. I.
THE LEVELS OF Rh^{104} NUCLEUS EXCITED AT THE CAPTURE OF THERMAL NEUTRONS
Elmar K. Wilip, tr. Feb 64 [12p] 18refs.
Order from OTS or ETC HC $1.60 AEC-tr-6340

Trans. of mono. Urovni Yadra Rh^{104} Vozbuzhdaemye pri Zakhvate Teplovykh Neitronov, Moscow, 1963 (IAE no. 517).

Joliot, J. F., Halban, H. H. von, and Kowarski, L.
METHOD FOR FREEING ATOMIC ENERGY THROUGH FISSION OF ATOMIC NUCLEI IN A URANIUM MASS AND THE APPARATUS USED. 16p (2 figs omitted).
Order from SLA $1.60 TT-65-10586

Trans. of Swedish patent 135,148, cl 21, gr 21/10, by Commissariat a l' Energie Atomique, Paris, filed 29 May 40 as 1984/1940, granted 10 Jan 52, pub. 8 Apr 52 (Priority: France), 1 May 39).

Pascal, M.
THE ANNEALING OF THE G. 1. GRAPHITE [Le Recuit du Graphite de G. 1.]
H. C. Cowen, tr. 1959 [4p] UKAEA I. G. Information Series 22 (RD/R); DSIR [NLL] M. 2238.
Order from OTS or ETC HC $1.00, MF $0.50 TT-62-32406

Trans. of Bulletin d'Information Scientifique et Technique (France) 1958 [no. 23] p. 11-12.

Überall, H.
THE POLARIZATION OF THE QUASIMONOCHROMATIC BREMSSTRAHLUNG OF A MONOCRYSTAL. [10p] 10refs.
Order from OTS or ETC HC $1.10 SLAC-Trans-1

Trans. from Zeitschrift für Naturforschung (West Germany) 1962, v. 17a.

Vargin, V.V. and Stepanov, S.A.
ACTION DES RAYONS GAMMA SUR LES VERRES DU SYSTEME Na_2O-Al_2O_3-SiO_2. Org.140-874-363.
Order from CNRS G/R-2743

Trans. in French of Akademiya Nauk SSSR. Doklady, 1962, v.147, no.3, p.609-611.
Another trans. is available in English from OTS or SLA $1.10 as AEC-tr-5616, 22 Jan 63.

PHYSICS

Frolov, Yu.P.
"DEAD POINT" AND 'SECOND WIND", tr. by E.R. Hope. Jan 64, 8p.
Order from ETC $1.10 TT-64-26256

Trans. of Priroda (USSR) 1963, v.52, no.3, p.36-39.
Also available from NRC as C-4721, 5p; another trans. is available from OTS, SLA, or ETC $1.60 as TT-64-19240, FASEB-S-5-4 [17p].

Konov, B. P.
INVESTIGATION OF THE COMPRESSION OF A PLASMA IN A MAGNETIC TRAP WITH OPPOSED FIELDS. Nov 63, 8p 11refs CTO/20; NP-tr-1085
Order from OTS or ETC HC $1.00 TT-64-15003

Trans. of #Zhurnal Tekhnicheskoi Fiziki (USSR) 1963, v. 33, no. 7, p. 835-838.

Petrov, D.A. and Bukhanova, A.A.
SURFUSION D'UN BAIN LIQUIDE ET CROISSANCE DES CRISTAUX D'APRES CHOKRALSKIJ. Org.2-IRSID-2010 U.10.
Order from CNRS G/R-2625

Trans. in French of Akademiya Nauk SSSR. Doklady, 1961, v.139, no.4, p.933-935.

Temkin, D.E.
VITESSE D'ACCROISSEMENT D'UNE AIGUILLE CRISTALLINE DANS UN BAIN "SOUS-REFROIDI". Org.2 IRSID-1645 P.302.
Order from CNRS G/R-2621

Trans. in French of Akademiya Nauk SSSR. Doklady, 1960, v.132, no.6, p.1307-1310.

Westcott, Horace.
MAGNETIC RECORDING CARRIER. 3p 4refs.
Order from SLA $1.10 TT-64-20938

Trans. of German patent 1,161,587, filed 8 Aug 58, pub. 23 Jan 64 (Priority: US, 12 Aug 57).

Acoustics

Popovyan, D. E.
BLOCKING DEVICES WITH ULTRASONIC TRANSMITTING DEVICES (Blokiruyushchie Ustroistva s Ultrazvukovymi Datchikami). Oct 64 [16p] RTS-2675.
Order from OTS or ETC HC $1.00, MF $0.50 TT-65-60356

Trans. of Mekhanizatsiya i Avtomatizatsiya Proizvodstva (USSR) 1963 [v. 17] no. 10, p. 31-34.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Sviridov, A. P., Korepin, E. A., and others.
ULTRASONIC EMITTERS WITH QUARTZ PIEZO-ELEMENTS OF Y-SECTION. 19 Nov 64 [10p] 3refs FTD-TT-63-1226.
Order from OTS HC $1.00, MF $0.50 AD-608 604

Unedited rough draft trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Priborostroenie (USSR) 1959 [v. 2] no. 1, p. 34-37.

Electronics

Bogdanova, I. P. and Chen Gi-Tkhek.
ON CONCENTRATIONS OF EXCITED ATOMS OF NEON IN A DISCHARGE IN A HOLLOW CATHODE (O Kontsentratsiyakh Vozbuzhdennykh Atomov Neona pri Razryade v Polom Katode). Sep 64 [12p] RTS-2456.
Order from OTS or ETC HC $1.00, MF $0.50 TT-64-19965

Trans. of Optika i Spektroskopiya (USSR) 1957, v. 2, no. 6, p. 681-688.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Chekmarev, I. B. and Shakhnov, I. I.
THE SPIRAL MOTION OF AN ELECTRICALLY CONDUCTIVE GAS BETWEEN COAXIAL PERMEABLE CYLINDERS IN THE PRESENCE OF A LONGITUDINAL MAGNETIC FIELD (Spiral'noe Dvizhenie Elektroprovodnogo Gaza Mezhdu Koaksial'nymi Pronitsaemymi Tsilindrami pri Nalichii Prodol'nogo Magnitnogo Polya). Sep 64, 7p 3refs NASA Technical Trans. F-240.
Order from OTS HC $0.50, MF $0.50 N64-29498

Trans. of Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki (USSR) 1963, no. 6, p. 3-6.

Yakovlev, V. I.
INTERACTION OF AN EXPANDING CYLINDRICAL PLASMA WITH AN EXTERNAL MAGNETIC FIELD (O Vzaimodeistvii Rasshiryayushchegosya Plazmennogo Shnura s Vneshnim Magnitnym Polem). Sep 64, 10p 2refs NASA Technical Trans. F-234.
Order from OTS HC $0.50, MF $0.50 N64-29492

Trans. of Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki (USSR) 1963, no. 6, p. 141-143.

Zimin, I. P.
THE FLOW OF AN ELECTRICALLY CONDUCTIVE FLUID IN A PLANE MAGNETOHYDRODYNAMIC CHANNEL (Techenie Elektroprovodnoi Zhidkosti v Ploskom Magnitogidrodinamicheskom Kanale). Sep 64, 9p 7refs NASA Technical Trans. F-242.
Order from OTS HC $0.50, MF $0.50 N64-29493

Trans. of Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki (USSR) 1963, no. 6, p. 108-112.

Molecular Physics and Spectroscopy

Goff, Pierre le.
THE EXPERIMENTAL STUDY METHODS OF THE MECHANICS OF GAS REACTIONS ON METAL SURFACES (Sur les Méthodes Expérimentales d'Etude du Mécanisme des Réactions de Gaz à la Surface des Métaux) tr. by Peter Ott. Sep 62, 30p. 37 refs. Am Met Soc-T-F-45+.
Order from ETC $2.60 TT-63-27111

Trans. of Journal de Chimie Physique (France) 1956, v.53, no.4, p.369-379.
Also available on loan from OTS as Lots 2282;
Another trans. is available from SLA mi $2.70, ph $4.80 as 59-10553, Tr57-97 [1958] [21] p.

Kawashiro, I. and Tanabe, H.
ANALYSE AUX RAYONS X FLUORESCENTS DES ALIMENTS ET DES MEDICAMENTS. 9p. (foreign text included) 3 refs. CNRS-XXVII 204.
Order from ETC or CNRS $1.10 TT-63-27027

Trans. in French of Eisei Shikenjo Hokoku (Japan) 1960, no.78. p.33-34.

Zhbankov, R.G., Ivanova, N.V., and Rozenberg, A.Ya.
LES SPECTRES INFRA-ROUGES DE LA CELLULOSE DANS LES SOLUTIONS AQUEUSES ALCALINES. Org.5-5494.
Order from CNRS G/R-2638

Trans. in French of# Zavodskaya Laboratoriya (USSR) 1962, v.28, no.11, p.1324-1326.

Optics

Balloffet, G., Romand, J., and Vodar, B.
EMISSION SOURCE OF A CONTINUOUS SPECTRUM EXTENDING FROM THE VISIBLE TO THE EXTREME ULTRAVIOLET (Source d'Emission de Spectre Continu s'Entendant du Visible à l'Ultraviolet Extrême) tr. by H. Gundthardt. 7p. Am Met Soc-T-F-55+.
Order from ETC $1.10 TT-63-27141

Trans. of Académie des Sciences, Paris. Comptes Rendus, 1961, v.252, p.4139-4141.
(pub. by
Gauthier-Villars et Cie., Paris).
Also available on loan from OTS as Lots 2258.

Ottmann, H.
PROCESS FOR THE PRODUCTION OF ZnS LUMINOPHORES. Nov 64.
Order from TTIS $7.20 TTIS NS 278

Trans. of E[ast] German patent 29606, appl. 23 Nov 60, pub. 25 Aug 64.

Pastor, Jose and Ramos, Concepcion.
UNSCREENING. 10p 5refs.
Order from SLA $1.10 TT-64-16963

Trans. of Revista de Ciencia Aplicada (Spain) [1962, v. 16, no. 1 (84)] p. 36-41.

Boegehold, H.
THE DIFFRACTION PHENOMENA AND THEIR CONSIDERATION IN OPTICAL INSTRUMENTS (Die Bengungserscheinungen und ihre Berücksichtigung bei Optischen Instrumenten). 5p.
Order from SLA $1.10 TT-61-14128

Trans. of mono. [Czapski-Eppenstein's] Grundzüge der Theorie der Optischen Instrumente, 3d ed., n.p., 1924, chap. 9.

Solid State Physics

Andrievskii, A. I., Voloshchenko, V. I., and Mishchenko, M. T.
THE ELECTRICAL CONDUCTIVITY OF CUPROUS OXIDE. 3p.
Order from SLA $1.10 TT-61-20980

Trans. of Akademiya Nauk SSSR. Doklady, 1953, v. 90 [no. 4] p. 521-523.
Other translations are available from LC or SLA mi$1.80, ph$1.80 as TT-60-13773, DSIR NLL M.899, Oct 53, 3p. and from OTS or ETC $1.40 as TT-62-26018, MTWL-647, 5p.

Arshinov, A.A. and Musin, A.K.
EMISSION THERMIQUE DES ELECTRONS DES PARTICULES DE CARBONE. Org.55.
Order from CNRS G/R-2704

Trans. in French of Akademiya Nauk SSSR. Doklady, 1958, v.118, no.3, p.461-463.

Dekhtyar, I. Ya.
THE EFFECT OF CRYSTAL-STRUCTURE DEFECTS ON THE ENERGY OF ACTIVATION OF CREEP (Vliyanie Defektov Kristallicheskogo Stroeniya na Energiyu Aktivatsii Polzuchesti). Aug 61 [13p] (foreign text included) 11refs [DSIR] NLL M.3513.
Available on loan from OTS TT-62-24910

Trans. of Issled[ovaniya] po Zharoproch[nym] Splavam (USSR) 1960, v. 6, p. 29-33.

Gerasimov, V. V.
STRESS-CORROSION CRACKING OF AUSTENITIC STAINLESS STEEL OF TYPE 1Kh18N9T (Korrozionnoe Rastreskivanie Austenitnoi Nerzhaveyutsei Stali Tipa 1Kh18N9T). Oct 61 [11p] (foreign text included) 12refs [DSIR] NLL M.3500.
Available on loan from OTS TT-62-24822

Partial trans. (p. 29-30, 35-36) of #Metalloved[enie i] Term[icheskaya] Obrab[otka] Met[allov] (USSR) 1961, no. 8, p. 29-36.

Grigor'ev, A. T. and Kuprina, V. V.
THE ORDER-DISORDER TRANSFORMATION IN IRON-COBALT-PALLADIUM ALLOYS (Prevrashchenie "Poryadok-Besporyadok" v Splavakh Zheleza s Kobal'tom i Palladiem). Oct 61 [24p] (foreign text included) 14refs [DSIR] NLL M.3499.
Available on loan from OTS TT-62-24821

Trans. of #Zhurnal Neorganicheskoi Khimii (USSR) 1961, v. 6, no. 8, p. 1891-1901.

Izvozchikov, V.A.
ETUDE DE CERTAINES PROPRIETES ELECTRIQUES DE L'OXYDE DE PLOMB. 11p. 5 refs.
CNRS-XXVIII 81.
Order from ETC or CNRS $1.60 TT-63-27809

Trans. in French of Gosudarstvennyi Pedagogicheskii Institut, Leningrad. Uchenye Zapiski (USSR) 1959, v. 169, p. 255-263.

Kozyrskii, G. Ya., Kononenko, V. A., and Okrainets, P. N.
STUDY OF THE MECHANISM OF CREEP DEFORMATION OF NICKEL BY REFLECTIONS FROM INDIVIDUAL GRAINS (Izuchenie Mekhanizma Deformatsii Nikelya pri Polzuchesti po Otrazheniyam ot Otdel'nykh Zeren). Aug 61 [16p] (foreign text included) 2refs [DSIR] NLL M.3511.
Available on loan from OTS TT-62-24908

Trans. of Issled[ovaniya] po Zharoproch[nym] Splavam (USSR) 1960, v. 6, p. 17-24.

Kristoffel, N. N.
ON THE THEORY OF LUMINESCENT CENTERS IN ALKALI-HALIDE CRYSTAL PHOSPHORS (Teorii Tsentrov Lyuminestsentsii v Shchelochno-Galoidnykh Kristallofosforakh)
A. Pingell, tr. 1959 [27p] 22refs NRL Trans. 741.
Order from OTS or ETC HC $2.00, MF $0.50
TT-59-21105

Trans. of Akademiya Nauk Estonskoi SSR [Tallinn]. Institut Fiziki i Astronomii. Trudy, 1958, v. 7, p. 85-111.

Oding, I. A. and Gordienko, L. K.
THE CHANGE IN SOME PHYSICAL PROPERTIES OF METALS DURING HIGH-TEMPERATURE CREEP (Izmenenie Nekotorykh Fizicheskikh Svoistv Metallov v Protsesse Polzuchesti pri Vysokikh Temperaturakh).
Aug 61 [29p] (foreign text included) [DSIR] NLL M.3510.
Available on loan from OTS TT-62-24902

Trans. of Issled[ovaniya] po Zharoproch[nym] Splavam (USSR) 1960, v. 6, p. 3-16.

Skryshevskii, A. F.
ON THE INTERPRETATION OF THE STRUCTURE OF MONATOMIC LIQUIDS (Ob Interpretatsii Struktury Odnoatomnykh Zhidkostei). Jul 64 [12p] 13refs
RTS-2505.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19934

Trans. of Ukr[ayins'kyi] Fiz[ychnyi] Zhur[nal] (USSR) 1962, v. 7, no. 8, p. 826-833.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Suchet, J. P., Rodot, H., Leroux-Hugon, P., and Rodot, M.
REMARKS ON THE PROPAGATION OF ELECTRONS AND PHONONS. APPLICATION TO THE STUDY OF THERMOELECTRIC MATERIALS. [1964] [26p] 56refs
Order from SLA $2.60 TT-64-16193

Trans. of advanced Energy Conversion (England) 1963, v. 3, p. 569-590.

Vishnevskii, I. I.
THE THERMAL CONDUCTIVITY OF REFRACTORY OXIDES. [9p] 12refs.
Order from OTS or ETC HC $1.10 AEC-tr-5872

Trans. of Ukrains'kyi Naukovo-Doslidnyi Instytut Vohnetryviv. Sbornik Nauchnykh Trudov (USSR) 1960, no. 3, p. 274-281.

Thermodynamics

Alad'ev, M. A., Mikheev, M. A., and Fedynskii, O. S.
THE DEPENDENCE OF THE HEAT [TRANSFER] FROM TUBES ON THE DIRECTION OF HEAT FLUX AND ON NATURAL CONVECTION (Zavisimost' Teplootdachi v Trubakh ot Napravleniya Teplovogo Potoka i Estestvennoi Konvektsii). Aug 64 [22p]
RTS-2644.
Available on loan from OTS TT-64-23529

Trans. of A[kademiya] N[auk] SSSR. O[tdelenie] T[ekhnicheskikh] N[auk]. Izv[estiya] 1951, no. 1, p. 53-56.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Hoffmann, A.
HEATING OF LONG CYLINDERS AT VARYING OVEN TEMPERATURES. Jul 62 [15p] 5refs.
Order from ICE in v. 2, no. 3, $15.00/year

Trans. of Magyar Tudomanyos Akademia Kozlemenyei [sic] 1961, v. 24, no. 1-4, p. 207ff.

Kantor, P.B., Kisil, O.M., and Fomichov, E.M.
MESURES DE L'ENTHALPIE ET DE LA CHALEUR SPECIFIQUE DU SILICIUM ENTRE 1200 ET 1900 K.
Org.2-IRSID-2062 U.12.
Order from CNRS G/R-2626

Trans. in French of Ukrayins'kyi Fizychnyi Zhurnal (USSR) 1960, v.5, no.3, p.358-362.
Another trans. is available in English from OTS, ETC or SLA $1.10 as TT-62-33554, 1962, 5p.

Labuntsov, D. A.
APPROXIMATION THEORY OF HEAT TRANSFER IN DEVELOPED BUBBLE BOILING (Priblizhennaya Teoriya Teploobmena pri Razvitom Puzyr'kovym Kipenii).
[20p] 46refs.
Order from OTS HC $1.00 AEC-tr-6286

Trans. of Akademiya Nauk SSSR. Izvestiya. Energetika i Transport, 1963, no. 1, p. 58-71.

Ogryzkin, E. M.
THE MECHANISM OF THE ACTION OF AN OXYGEN JET ON THE LIQUID BATH. Nov 64.
Order from BISI £2 5s BISI-3939

Trans. of Inzhenerno-Fizicheskii Zhurnal (USSR) 1959 [v. 2, no. 9] p. 97-100.

Polyakov, Yu. A.
EMPLOYMENT OF PELLICULAR SENSING ELEMENTS TO STUDY HEAT EXCHANGE IN A DISSOCIATED GAS FLOW. 14 Nov 64 [16p] 17refs FTD-TT-63-1056.
Order from OTS HC $1.00, MF $0.50 AD-608 602

Unedited rough draft trans. of mono. Fizicheskaya Gazodinamika, Teploobmen i Termodinamika Gazov Vysokikh Temperatur [(Physical Gas Dynamics, Heat Exchange and Thermodynamics of Gases of High Temperatures) Moscow] 1962, p. 251-260.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Shitsman, M. E.
ON METHODS OF CALCULATION OF CRITICAL HEAT FLOW IN THE FORCED MOVEMENT OF WATER (O Metodakh Rascheta Kriticheskikh Teplovykh Potokov Pri Vynuzhdennom Dvizhenii Vody). Oct 64 [11p] 21refs RTS-2592.
Order from OTS or ETC HC $1.00, MF $0.50
TT-65-60354

Trans. of Teploenergetika (USSR) 1963, v. 10, no. 8, p. 76-78.
Another trans. is available from OTS, SLA, or ETC $1.10 as AEC-tr-6290, FT-6067, 6p.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Sirota, A. M., Mal'tsev, B. K., and Belyakova, P. E.
TABLES OF REFERENCE POINTS OF THE SPECIFIC HEAT c_p AND OF THE ENTHALPY OF WATER AND STEAM (Tablitsy Opornykh Tochek Teploemkosti c_p i Ental'pii Vody i Vodyanogo Para). Aug 64 [22p] 15refs RTS-2330.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-19929

Trans. of Teploenergetika (USSR) 1963 [v. 10] no. 5, p. 64-69.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Slanciauskas, A., and Zurkauskas, A.
INVESTIGATION OF HEAT TRANSFER AND HEAD LOSS IN A STAGGERED-TUBE BANK AT Re NUMBERS UP TO $1.2.\ 10^5$ (Issledovanie Teplootdachi i Soprotivleniya Shakhmatnogo Puchka Trub pri Chislakh Re do $1.2.\ 10^5$). Aug 64 [6p] 3refs RTS-2363.
Order from OTS or ETC HC $1.00, MF $0.50
TT-64-23608

Trans. of [Akademiya Nauk Litovskoi SSR, Vilna. Trudy]. Seriya B, 1961, no. 4(27) p. 197-200.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

RESEARCH METHODS, TECHNIQUES AND EQUIPMENT

KALLE APPLICATIONS IN THE ABSTRACT OF GERMAN PATENT APPLICATIONS [AND] RECENT GERMAN PATENTS (FOR YEARS 1950-53: LISTING ONLY. [5p].
Order from SLA $1.10 TT-62-10538

SUMMARY OF RECENT GERMAN PATENTS - II (KALLE, 1952-53). 2p.
Order from SLA $1.10 TT-62-10539

TRANSACTIONS OF THE MEETINGS OF THE GENERAL CONFERENCE ON WEIGHTS AND MEASURES (NO. 11) PARIS, 1960. Sep 64, 197p
NASA Technical Trans. F-217.
Order from OTS HC $3.50, MF $1.25 N64-30088

Trans. of mono. Conference Générale des Poids et Mésures (no. 11) Paris, 11-20 Oct 60. Comptes Rendus des Séances, n.p., n.d.

Bel'skaya, I. K.
SOME GENERAL QUESTIONS OF MACHINE TRANSLATION [AND] FUNDAMENTAL CHARACTERISTICS OF THE DICTIONARY AND GRAMMATICAL SCHEMES USED IN MACHINE TRANSLATION FROM ENGLISH TO RUSSIAN. 30p 11refs [DSIR] NLL M. 1692.
Order from OTS or ETC HC $2.00, MF $0.50
TT-61-13036

Trans. from Russian mono. Machine Translation, n.p., n.d., p. 3-32, 47-80.

Legibility of this document is in part unsatisfactory. Reproduction has been made from best available copy.

Commission Préparatoire Européenne de Recherches Spatiales.
DOCUMENT RELATIF AU CENTRE EUROPEEN DES TECHNIQUES SPATIALES. June 63, 165p.
Order from Euro-T.S. $290.00 Euro-T.S.124

Trans. in French of European Spatial Research Organisation. Technical Notice Program of Requirements. Doc. R. 1282, May 63, 133p.

Sattarov, M.M.
MATHEMATICAL STATISTICAL METHODS FOR DETERMINING THE AVERAGE PERMEABILITY OF A LAYER. 14p. 3 refs. MTWL-1228.
BPM-Trans. 1597.
Order from ETC $1.60 TT-64-26427

Trans. of Vsesovuznyi Nauchno-Issledovatel'skii Institut [sic]. Trudy (USSR) 1960, v. 29, p. 313-323.

Starak, J.
LE COUT ET LES EFFETS POSITIFS DE LA RATIONALISATION DE L'ADMINISTRATION.
4p. CNRS-XXIV 53
Order from ETC or CNRS $1.10 TT-63-26309

Trans. in French of Organizacja, Metody, Technika (Poland) 1959, no.4, p.1.

Romer, E.
ANALYSEUR THERMO-ANEMOMETRIQUE.
Org.54-934-63 42.776 F.331.
Order from CNRS G/X-929

Trans. in French of Pomiary, Automatyka, Kontrola (Poland) 1962, [v. 8] p. 355-358.

Zaremba, T. and Balasinski, W.
L'UTILISATION DES MOYENS TECHNIQUES MODERNES DANS L'ADMINISTRATION FISCALE.
9p. CNRS-XXIV 52.
Order from ETC or CNRS $1.10 TT-63-26310

Trans. in French of Organizacja, Metody, Technika (Poland) 1959, no.4, p.2-5.

SOCIAL SCIENCES

Gurvitch, Georges.
SOCIAL CONTEXTS OF SOCIOLOGICAL KNOWLEDGE.
11p (Discussion on p. 170-172 omitted) 3refs.
Order from SLA $1.60 TT-64-30289

Trans. of Cahiers Internationaux de Sociologie (France) 1959, v. 26, p. 165-170.

Hamels, J.
APPLICATION OF THE UNION ACTS FOR THE PROTECTION OF THE INDUSTRIAL PROPERTY, CONCERNING THE GERMAN DEMOCRATIC REPUBLIC. [3p].
Order from SLA $1.10 TT-62-10421

Trans. of mono. (letter) dated 10 Dec 56, Brussells.

Solechnik, N. Ya., ed.
NEW METHODS FOR THE RESTORATION AND PRESERVATION OF DOCUMENTS AND BOOKS
Mrs. J. Brown, tr. 1964, 130p PL-480.
Order from OTS HC $4.00 TT-64-11054

Trans. of mono. Novye Metody Restavratsii Knig [Moscow] n. d.

For table of contents see the "Periodicals Translated Cover-to-Cover" section of this issue.

Siecke, W. -F.
SPAIN'S GOAL: A COMPETITIVE, SOUND ECONOMY. 23p.
Order from SLA $2.60 TT-65-10696

Trans. of Chemische Industrie (West Germany) 1960, v. 12, no. 2, p. 47-52.

Pas, Ryszard, comp.
SCIENTIFIC, TECHNICAL AND ECONOMIC INFORMATION SERVICE GUIDE. 1964, 261p
PL-480 Comm.
Order from OTS HC $2.75 TT-62-11061

Trans. of mono. Informator Sluzby Informacji Naukowo-Technicznej i Ekonomicznej, Warsaw, 1960.

TRANSLATIONS IN PROCESS

BIOLOGY AND DISTRIBUTION OF FISH IN THE PACIFIC AND INDIAN OCEANS (Biologiya i Rasprostranenie Ryb Tikhogo i Indiiskogo Okeanov).
SFCSI Akademiya Nauk SSSR. Institut Okeanologii. Trudy, 1964, v. 73, 252p.

FABRICATION OF URANIUM: INFLUENCE OF THE FABRICATION ON THE MICROSTRUCTURE AND THE MECHANICAL CHARACTERISTICS OF URANIUM AND OF WEAKLY ALLOID URANIUM.
Mono. Mise en Forme de l'Uranium. Influence de la Mise en Forme sur la Microstructure et les Caracteristiques Mecaniques de l'Uranium et de l'Uranium Faiblement Allie, n.p., n.d., 28p.

OPTICAL-ACCOUSTICAL GAS ANALYZERS FOR CARBON MONOXIDE, CARBON DIOXIDE AND METHANE.
Mono. Optiko-Akusticheskie Gazoanalizatory na Okis' Ugleroda, Dvuokis' Ugleroda i Metea, n.p., n.d.

RADIOBIOLOGY, 1964, VOL. IV, NO. 4.
Radiobiologiya (USSR) 1964, v. 4, no. 4, 176p.

RADIOBIOLOGY, 1964, VOL. IV, NO. 5.
Radiobiologiya (USSR) 1964, v. 4, no. 5, 150p.

Akhrem, A. A. and Kuznetsova, A. A.
THIN-FILM CHROMATOGRAPHY.
Mono. Tonkosloinaya Khromatografiya, Moscow, 1964, 175pp.
To be published by IPST.

Andreeva-Galanina, E. Ts.
INVESTIGATION IN INDUSTRIAL HYGIENE AND OCCUPATIONAL PATHOLOGY: SELECTED PARTS.
Mono. Issledovaniya po Gigiene Truda i Professional'noi Patologii, v. 75, Leningrad, 1963, p. 7-56, 62-68, 74-90, 94-118, 132-143, 231-251.

Arkulis, G. E.
JOINT PLASTIC DEFORMATION OF DISSIMILAR METALS.
Mono. Sovmestnaya Plasticheskaya Deformatsiya Raznykh Metallov, Moscow, 1964, p. 3-272.

Artismovich, L. A. and others.
INVESTIGATION OF OHMIC HEATING OF PLASMA IN TOROIDAL TOMAMAK INSTALLATIONS.
Mono. Issledovanie Omicheskogo Nagrevaniya Plasmy v Toroidal'nykh Ustanovkakh Tomamak (Rept. IAE-684) 1964, 56p.

Babich, V. M., Kapilevich, M. B. and others.
NON-LINEAR DIFFERENTIAL EQUATIONS IN MATHEMATICAL PHYSICS.
Mono. Lineinye Uravneniya Matematicheskoi Fiziki, n. p., n. d.
To be published by N. V. Erven P. Noordhoff Uitgevers, Groningen, Netherlands.

Babich, V. M., Kapilevich, M. B., Mikhlin, S. G. and others.
LINEAR EQUATIONS OF MATHEMATICAL PHYSICS.
Mono. Lineinye Uravneniya Matematicheskoi Fiziki, Moscow, 1964, 372p.
To be published by ST.

Babykin, M. V. and others.
TURBULENT HEATING AND STABILITY OF HIGH-FREQUENCY DENSE PLASMA.
Mono. Turbulentnyi Nagrev i Ustoichivost' Vysokotemperaturnoi Plotnoi Plasmy (Rept. IAE-667) 1964, 44p.

Bodalev, A. A.
PERCEPTION OF MAN BY MAN.
Mono. Vospryatie Cheloveka Chelovekom, Leningrad, 1965, 100p.
To be published by CB after 4th quarter 65.

Chernyaev, I. I., ed.
COMPLEX COMPOUNDS OF URANIUM.
Mono. Kompleksnye Soedineniya Urana, Moscow, 1964, 491p.
To be published by IPST.

Driatskii, N. M. and Kharitonov, A. I.
INDIVIDUAL SIO-60 EQUIPMENT FOR MULTICHANNEL LONG-DISTANCE COMMUNICATION SYSTEMS.
Mono. Individual'noe Oborudovaie SIO-60 dlya Mnogokanal'nykh Sistem Dal'nei Svyazi, Moscow, 1964, p. 4-64.

Drozrov, O. A. and Grigor'eva, A. S.
MOISTURE CYCLE IN THE ATMOSPHEREL.
SFCSI mono. Blagoobrobot v Atmosfere, Leningrad, 1963, 315p.

Fedynskii, V. V., ed.
GRAVITY SURVEYS AT SEA: COLLECTION OF ARTICLES.
Morskie Gravimetricheskie Issledovaniya. Sbornik Statei (USSR) 1963, no. 2 (1958-1960) p. 3-115.

Gott, Yu. V. and others.
INVESTIGATION OF PLASMA STABILITY IN THE PR-5 INSTALLATION.
Mono. Issledovanie Ustoichivosti Plazmy v Ustanovke PR-5 (Rept. IAE-658) 1964, 28p.

Grand, Paul.
INFLUENCE OF TEMPERATURE ON THE CALIBRATION OF GAGES.
Rev[ue] Gen[erale de] Mecan[ique] (France) 1955, v. 39, p. 39-45, 247-254, 395-400, 445-450; 1956, v. 40, p. 81-87, 159-164.

Harder, Deitrich.
PHYSICAL PRINCIPLES OF THE RELATIVE BIOLOGICAL EFFICIENCY OF DIFFERENT TYPES OF RADIATION (Physikalische Grundlagen zur Relativen Biologischen Wirksamkeit Verschiedener Strahlenarten).
Biophysik [sic] 1964, v. 1, no. 4, p. 225-259.

Kerler, W., Neuwirth, W. and others.
STUDY OF COMPLEX AND COVALENT IRON COMPOUNDS USING THE Fe^{57} MOESSBAUER EFFECT.
Z[eitschrift für] Physik (West Germany) 1963, v. 173, no. 3, p. 321-346.
Not to be published before the middle of 1965.

Koch, Kurt.
STUDIES OF THE TRANSVERSAL AND LONGITUDINAL TRANSPORT OF THE GROWTH SUBSTANCE IN PLANT ORGANISMS (Untersuchungen über den Quer- und Langstransport des Wuchsstoffes in Planzenorganen).
Planta (West Germany) 1934, v. 22, p. 190-220.

Ladyzhenskaya, O. A. and Uraltseda.
PARTIAL DIFFERENTIAL EQUATIONS.
Unidentified Russian mono.
To be published by GB.

Marchuk, G. I.
METHODS OF CALCULATION FOR NUCLEAR REACTORS.
Mono. Metodi Rascheta Yadernykh Reaktorov, n.p., n.d.
To be published by N. V. Erven P. Noordhoff Uitgevers, Groningen, Netherlands.

Montagner, Serge le.
THE DIELECTRIC-CONSTANT VARIATIONS RELATED TO PHASE CHANGE (Etude Experimentale des Variations de la Constante Dielectrique Liees a un Changement de Phase).
Ann[ales de] Phys[ique] (France) 1960 [ser. 13] v. 5, p. 469-508.

Nikitin, N. I.
THE CHEMISTRY OF CELLULOSE AND WOOD.
Mono. Khimiya Drevesiny i Tsellyulozy, Moscow/Leningrad, 1962, 711p.
To be published by IPST.

Okolowicz, Wincenty and Stopa, Maria.
CLOUDINESS IN POLAND [AND] THUNDERSTORMS IN POLAND.
SFCSI monos. Zachmurzenie Polski [and] Burze w Polsce, Warsaw, 1962, 85p.

Osovets, S. M.
USE OF HIGH-FREQUENCY ELECTROMAGNETIC FIELDS FOR THE CONFINEMENT AND STABILIZATION OF PLASMA.
Mono. Stabilizatsiya i Uderzhanie Plasmy Elektromag-Polyame Vysokoi Chastoty (Rept. IAE-665) 1964, 45p.

Shumakov, V. S.
INFLUENCE OF THINNINGS IN PURE SCOTS PINE THICKETS ON THE PROPERTIES OF PODZOLIC SOIL (Vliyanie Rubok Ukhoda v Chistykh Sosnovykh Molodnyakakh na Svoistva Podzolistoi Pochvy).
SFCSI Vsesoyuznyi Nauchno-Issledovatel'skii Institut Lesovodstva [i Mekhanizatsii Lesnogo Khozyaistva].
Sbornik Rabot po Lesnomu Khozyaistvu (USSR) 1958, v. 34, p. 140-157.

Vlasov, K. A., ed.
THE GEOCHEMISTRY, MINERALOGY, AND GENETIC TYPES OF DEPOSITS OF RARE ELEMENTS: VOL. I, THE GEOCHEMISTRY OF RARE ELEMENTS; VOL. II, THE MINERALOGY OF RARE ELEMENTS.
Mono. Geokhimiya, Mineralogiya i Geneticheskie Tipy Mestorozhdenii Redkikh Elementov. v. 1, Geokhimiya Redkikh Elementov; v. 2, Mineralogiya Redkikh Elementov.
To be published by IPST.

PERIODICALS TRANSLATED COVER-TO-COVER

For basic list of Periodicals Translated Cover-to Cover see Technical Translations Volume 13, Number 1.

This basic list is kept up-to-date by giving only changes in the subsequent issues of Technical Translations.

No changes are necessary for this issue.

Tables of Contents of Recently Translated Journal Sections

Following is a list by foreign title of the Tables of Contents appearing in this issue.

The Reproduced Tables of Contents are arranged alphabetically by English title.

Acta Medica Iugoslavica, ... C-279
1963, v. 17, no. 3, p. 229-351.
Order from OTS HC $3.00 TT-63-11456/3

Peredovnoi Nauchno-Tekhnicheskii C-280
i Proizvodstvennyi Opyt (USSR)
1962 [tema] 30, no. PM-62-4/4
(no. 4) 28p.
Order from OTS HC $2.00, MF $0.75 TT-64-41575

Uspekhi Biologicheskoi Khimii (USSR)..........C-281
1962, v. 4, p. 3-261.
Order from OTS HC $8.00, MF $2.50 AD-608 603

Arhiv Bioloskih Nauka (Yugoslavia) C-282
1963, v. 15, no. 1/2, p. 1-99, 1P-4P.
Order from OTS HC $1.00 TT-63-11455/1-2

Archivum Immunologiae et Therapiae C-283
Experimentalis (Poland) 1964, v. 12, no. 4.
Order from OTS HC $1.25 TT-64-11410/4

Archivum Immunologiae et Therapiae..........C-284
Experimentalis (Poland) 1964, v. 12, no. 5.
Order from OTS HC $1.00 TT-64-11410/5

Zavod za Geolosko i Geofizicko C-285
Istrazivanje N. R. Srbije. Vesnik.
Serija C: Primenjena Geofizika
(Yugoslavia) 1962, v. 3, p. 5-99ff.
Order from OTS HC $1.00 TT-62-11756/3

Institut za Nuklearne Nauke. Bilten C-286
(Yugoslavia) 1964, v. 15, no. 2,
p. 63-[151].
Order from OTS HC $1.00 AEC-tr-6227/2

Tsentral'naya Aerologicheskaya...............C-287
Observatoriya. Trudy (USSR)
1962, no. 42 [155p].
Order from OTS HC $3.50, MF $1.25 N64-26951

Materialy k IV S"ezdu Geografi- C-288
cheskogo Obshchestva SSSR
(Congress of the Geographical
Society) (no. 4) Leningrad, 1964.
Order from AGS $1.00 in Soviet
Geography: Review and Translation,
1964, v. 5, no. 7.

Glubinnoe Seismicheskoi Zondirovanie C-289
Zemnoi Kory v SSSR. Sbornik
Dokladov, Leningrad, 1962,
p. 36-438, 448-492.
Order from OTS or ETC pt. 1 HC $6.00, MF $1.75
TT-64-13679
pt. 2 HC $6.00, MF $1.50
TT-64-13680
pt. 3 HC $6.00, MF $1.50
TT-64-13681

Inzhenernyi Zhurnal (USSR) 1964, ... C-292
v. 4, no. 2, p. 219-224, 251-253,
263-274, 302-309, 357-364,
368-375, 392-423.
Order from OTS HC $4.00, MF $1.00

Zavodskaya Laboratoriya (USSR) C-293
1963, v. 29, no. 12, p. 1407-1509.
Order from ISA $6.00, $45.00/year

Zavodskaya Laboratoriya (USSR) C-296
1964, v. 30, no. 1, p. 3-128;
no. 2, p. 131-256; no. 3,
p. 259-384.
Order from ISA $8.00/each, $45.00/year

Lijecnicki Vjesnik (Yugoslavia) C-306
1963, v. 85, no. 10, p. 1077-1164.
Order from OTS HC $0.75 TT-63-11458/10

Novye Metody Restavratsii Knig................ C-307
[Moscow] n. d.
Order from OTS HC $4.00 TT-64-11054

Izvestiya Vysshikh Uchebnykh.................. C-309
Zavedenii. Tsvetnaya Metallurgiya
(USSR) 1963, v. 6, no. 5, p. 1-159.
Order from OTS HC $6.00, MF $1.25 AD-608 600

Fiziologichnyi Zhurnal (USSR) 1964, ... C-312
v. 10, no. 3, p. 301-306, 308-312,
360-365, 379-382, 390-396,
403-411, 416-418.
Order from OTS HC $3.00, MF $0.75 TT-64-41702

Endokrynologia Polska, 1963, v. 14, ... C-314
no. 5/6.
Order from OTS HC $1.50 TT-63-11408/5-6

Polish Medical Journal, Vol. 3, ...C-315
No. 3, P. 491-724. 1964, 1v.
PL-480 HEW.
Order from OTS HC$2.25 TT-64-11409/3

Polish Review of Radiology and............C-316
Nuclear Medicine, 1963, Vol. 27,
No. 6, P. 451-538. 1963, 1v.
PL-480 HEW.
Order from OTS HC$1.00 TT-63-11415/6

Soviet Physics, JETP, 1964, ...C-317
Vol. 19, No. 4, P. 783-1025;
No. 6, P. 1299-1554. Oct, Nov,
Dec 64, 3nos.
Order from AIP $9.00, $95.00/year

Institut za Vodoprivredu "Jaroslav C-323
Cerni". Saopstenja (Yugoslavia)
1964, v. 11, no. 30, p. 1-94.
Order from OTS HC $1.00 TT-64-11459/1

Institut za Vodoprivredu "Jaroslav..............C-324
Cerni". Saopstenja (Yugoslavia)
1964, v. 11, no. 31, p. 1-67.
Order from OTS HC $3.00 TT-64-11459/2

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ACTA MEDICA IUGOSLAVICA

1963, VOL. 17, NO. 3.

TABLE OF CONTENTS

	Page	Text page
M. Vitorović and T. Švob:		
The Effect of Some Psychopharmacological Agents on Larvae of the Frog *Rana agilis* (L.)	5	229-238
I. Stanković and Z. Kecmanović:		
A Contribution to the Study of Secondary Glaucoma in the Hyper-mature Cataract	12	239-251
G. Efremov, B. Vaskov, H. Duma, and M. Andrejeva:		
The Separation of Human Hemoglobins by Starch-gel Electrophoresis, Chromatography on Aluminum Oxide, and Chromatography on Deae Cellulose	20	252-262
S. Ramzin, V. Atanacković, and M. Šibalić:		
Endemic Goitre, Nutrition, and Microelements in Goitrogenic and Nongoitrogenic Areas	27	263-278
S. Huković and I. Bubić:		
Problems of Autonomic Innervation of the Urinary Bladder. Isolated Rat and Mouse Urinary Bladder with the Autonomic Nerve System as a Model for Pharmacological Investigations	40	279-299
S. Huković and I. Bubić:		
The Effect of Cholinesterase Toxins and Atropine on Isolated Atropine-resistant Organs of Rats and Mice	57	300-320
F. Jung, D. Blatnik, and M. Jung:		
A Cytogenetic Study of the Therapeutic Effect of Myleran in a Case of Chronic Myeloid Leukemia	73	321-335
D. Beleslin and V. Varagić:		
The Spontaneous Activity of and the Effect of Drugs on the Isolated Guinea-pig Ileum at Constant Intraluminal Supraliminal Pressure	83	336-345
S. Harisijades, B. Harisijades, and T. Kuwabara:		
Hystopathology of the Cornea of Chick Embryos Inoculated with Trachoma Virus	91	346-351

ADVANCED SCIENTIFIC, TECHNICAL AND INDUSTRIAL PRACTICE

1962, TEMA 30, NO. PM-62-4/4.(NO. 4)

EQUIPMENT FOR NEUROPHYSIOLOGICAL INVESTIGATIONS

[Following is a translation of articles in the Russian-language periodical Peredovoy Nauchno-Tekhnicheskiy i Proizvodstvennyy Opyt; Pribory i Apparatura Dlya Biologicheskikh Issledovaniy i Meditsinskoy Diagnostiki (Advanced Scientific, Technical and Industrial Practice; Instruments and Apparatuses for Biological Research and Medical Diagnosis), Moscow, Issue No 4, Topic 30 No PM-62-4/4, 1962, 28 pp. Authors and titles are given with individual articles.]

Table of Contents

Page

Two-Channel Installation UNI-1 for Neurophysiological Investigations, by L. S. Sedlovich ... 1

Two-Channel Electroencephalograph EEChS-1 for Determination of Depth of Narcosis, by N. E. Rabinovich 23

Apparatus for Automatic Counting of Erythrocytes and Leucocytes, by N. M. Floryanovich 32

ADVANCES IN BIOLOGICAL CHEMISTRY
(Uspekhi Biologicheskoi Khimii)

1962, VOL. 4.

TABLE OF CONTENTS

N.M. Sisakyan and S.S. Melik-Sarkisyan, Chloroplast Proteins 1

V.I. Rozengart, Active Cholinesterase Centers 79

A.A. Pokrovskiy, Enzymatic Mechanism of Some Forms of Intoxication 108

P.L. Vul'fson, Comparative Biochemical Analysis of Amino Acids and Dipeptides in Muscle Tissue 144

A.S. Spirin, Current Concepts Concerning the Molecular Nature and Structure of Nucleic Acids and Nucleoproteins 165

L.N. Bobrova and B.N. Stepanenko, Methods of Isolation and Investigation of Nucleotides 240

V.Z. Gorkin, Biochemistry of Polyamines 286

A.V. Kotel'nikova, Intermediate Reactions In the Processes of Oxidative Phosphorylation 318

L.I. Linevich, Sialic Acids 356

Ye.L. Rozenfel'd, On Blood Glucoproteins and Aminopolysaccharides 405

A.N. Petrova and T.T. Bolotina, Enzymatic Transformations of Starch and Its Decomposition Products in Potato Tubers . 434

A.M. Sobolev, Distribution, Formation and Utilization of Phytin in Higher Plants 467

ARCHIVES OF BIOLOGICAL SCIENCES
(Arhiv Bioloskih Nauka)

1963, VOL. 15, NO. 1-2.

CONTENTS

		Text page
Vojislav Mišić and *Ranka Popović:* The Interrelationship of Bean Individuals *(Phaseolus vulgaris)* in Different Densities and Methods of Planting under Field Conditions	5	1-23
Draga Janković: Trout from Lake Plavsko — — — — — — — — — — — — — —	29	25-35
Živko R. Adamović: The Feeding Habits of Some Asilid Species (Asilidae, Diptera) in Yugoslavia — — — — — — — — — — — — — — — — — — —	41	37-74
S. D. Matvejev and *A. Dimovski:* A Contribution to the Zoological classification of Living Forms for the Ecological Analysis of Species and Biocenoses — — — — —	75	75-90
Radmila Milošević: A Simple Method of Establishing the Intensity of the Formation of Carbon Dioxide and its Use — — — — — — — — — — —	91	91-99
Supplement: *Short Communications* — — — — — — — — — — — — — —	101	1P-4P

ARCHIVES OF IMMUNOLOGY AND EXPERIMENTAL THERAPY
(Archivum Immunologiae et Therapie Experimentalis)

1964, VOL. 12, NO. 4.

CONTENTS

Anna Łuczkiewicz-Mulczykowa: Anti-Gm Rabbit Immune Sera 429
Danuta Schlesinger and Anna Łuczkiewicz-Mulczykowa: The Use of the C^w Antigen in Paternity Cases 434
Edmund Mikulaszek, Stefan Ślopek, Kryspina Grzybek-Hryncewicz, Henryka Godzińska and Janina Pogonowska-Goldhar: Immunochemical Studies on *S. sonnei* Bacilli. I. Effect of Cell Fractions of *S. sonnei* I, II and R upon Phagocytosis 439
Wanda Brzuchowska, Henryka Godzińska, Kryspina Grzybek-Hryncewicz and Stefan Ślopek: An Attempt to Identify the Opsonizing Factor in Guinea Pig Serum with the Immunoelectrophoretic Method 449
Jadwiga Ładosz: The Use of the Phagocytic Test in the Evaluation of the Immunizing Potency of Typhoid Vaccines 455
Mieczysław Metzger and Wacław Kopeć: Staining Bacterial Cells with Fluorescent Lysozyme 473
Stanisław Kossowski, Irena Durlakowa, Grzegorz Agopsowicz, Jadwiga Maresz-Babczyszyn, Helena Kustrzycka, Anna Przondo-Hessek, Jadwiga Cyrulewska and Zofia Lusar: Clinical, Bacteriological and Serological Studies on Chronic Atrophic Fetid Nasopharyngitis 483
Stanisław Kossowski, Irena Durlakowa, Grzegorz Agopsowicz, Jadwiga Maresz-Babczyszyn, Helena Kustrzycka, Anna Przondo-Hessek, Jadwiga Cyrulewska and Zofia Lusar: Clinical, Bacteriological and Serological Studies on Chronic Atrophic Nonfetid Nasopharyngitis and Laryngitis 491
Mirosław Kańtoch and Barbara Kuczkowska: Studies on the Susceptibility of Newborn and Adult Mice to Infection with Coxsackie Viruses 497
Maria Łobodzińska, Alicja Sypułowa and Zofia Skurska: Induced Fluorescence in the Study of Tissue Culture Cells Infected with Viruses. II. Nucleic Acids in the Kidney Cells of Chick Embryos Infected with Influenza Viruses 503
Józef Roszkowski: Photochemical Reactions of the Actinomycins. I. The Effect of Light and Oxygen on Actinomycin K 512
Józef Roszkowski: Photochemical Reactions of the Actinomycins. II. The Effect of Light and Oxygen on the Biological Activity of Actinomycin C 519
Zenon Węgrzynowicz, Maria Kopeć, Zbigniew Latałło and Edward Kowalski: Studies on the Coagulation and Fibrinolytic System in Lethally Irradiated Dogs 524
Jan Hankiewicz: Studies on the Resistance of Red Blood Cells to the Hemolytic Action of Distreptase (Streptokinase + Streptodornase) 534
Józef Lisowski: Pituitary Enzymes. I. 5′-Nucleotide Phosphohydrolase of the Bovine Pituitary Gland 542

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C-283

ARCHIVES OF IMMUNOLOGY AND EXPERIMENTAL THERAPY
(Archivum Immunologiae et Therapiae Experimentalis)

1964, VOL. 12, NO. 5.

CONTENTS

Danuta Schlesinger and **Wojciech Mikulewicz**: Haptoglobin of the Johnson Type in a Polish Family 561
Danuta Rogala and **Jan Szurman**: The Action of Diphtheria Toxin on Tissue Cultures of Embryonic Guinea Pig Cells. Part II 565
Jadwiga Orłowska: Factors Influencing Glucose-6-phosphatase Activity in the Liver in Transplantable Chrysoidin Hepatoma in Mice. 571
Zbigniew Rzucidło and **Józef Zagalski**: Results of Cauterization of Malignant Tumors in Mice with Crystalline Trichloroacetic Acid 578
Marian Kaczór: The Influence of Age on Blood Glycoproteins in Rats 588
Gerard Jonderko and **Zdzisław Dąbrowski**: The Effect of Heavy Metal Salts and Calcium Disodium and Magnesium Disodium Versenate on the Activity of Serum Phosphomonoesterase I. *In vitro* Studies 592
Wiesław Wojewódzki: Structure-Activity Relationship in the Phenylisopropylamine Group. V. The Action of Di-m and p-di-(2-aminopropyl)-Benzenes on the Central Nervous System 602
Wiktor Jankowski, **Jerzy Giełdanowski** and **Władysław Birecki**: The Effect of the Vegetative Nervous System on the Behavior of Microphonic Potentials in the Organ of Corti. 611
Ryszard Wojtowski: Derivatives of α-Phenyl-α-allyl-γ-valerolactone 624
Leszek Przybył, **Alfons Chodera**, **Czesław Majewski** and **Cyryl Badyda**: Morphologic Changes in the Kidneys of Rats Following Prolonged Administration of Phenacetin 628
Zygmunt Paszko, **Andrzej Gądek** and **Alicja Pronaszko**: Studies on Methods of Bioassay of Pituitary Gonadotropins. III. On the Possibility of Employing a Standard for Determination of Pituitary Gonadotropins in Urine 635
Józef Lisowski: Pituitary Enzymes. II. The Problem of Existence of Proteinase II 645
Józef Lisowski: Pituitary Enzymes. III. Pituitary Acid Phosphatase. 657

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C-284

BULLETIN (APPLIED GEOPHYSICS)
(Zavod za Geolosko i Geofizicko Istrazivanje N. R. Srbije. Vesnik.
Serija C: Primenjena Geofizika)

1962, VOL. 3.

CONTENTS

	Page	Text page
Mužijević, R. S.:		
Contribution to the Solution of the Problem of Prospecting Anticline Structures Using Electrical Potential Methods	5—58	5-63
Damnjanović, K.:		
Conversion of the Direction of Polarization	59—77	65-86
Dragašević, T.:		
Interference Waves in the "Orlovat" *Structural Region* .	79—88	87-98
Simin, D.:		
Velocities of the Longitudinal Waves in Vojvodina . .	89—100	99-

BULLETIN OF THE BORIS KIDRIC INSTITUTE OF NUCLEAR SCIENCES
(Institut za Nuklearne Nauke. Bilten)

1964, VOL. 15, NO. 2.

TABLE OF CONTENTS

Page

Radiation damage in molybdenum and tungsten in high neutron fluxes, by S. Veljković and N. Milašin 63

Separation of plutonium from uranium and fission products on zirconium pyrophosphate, by D. Cvjetićanin and N. Milić 73

Heat transfer in gas flow with a pressure gradient, by N. Afgan and Z. Zarić 87

Heat transfer and pressure drop of the reactor fuel elements with polyzonal spiral finning, by N. Afgan and S. Oka 97

Some experience with the three crystal neutron spectrometer, by Ž. Dimitrijević, Sz. Krasnicki, R. Maglić, V. Marković, and J. Todorović 113

A method for the biosynthetic labeling and the isolation of pyrimidine nucleotides, by S. Petrović and J. Petrović 131

Pathways of orotic acid utilization for ribonucleic acid labeling in rat liver - I. Kinetics of cytoplasmic RNA labeling in relation to adenine (8-^{14}C) utilization, by S. Petrović, A. Bećarević, and D. Kanazir 141

Pathways of orotic acid utilization for ribonucleic acid labeling in rat liver. II - Heterogeneous distribution of label between subcellular RNA pyrimidines, by S. Petrović 147

C-286

CENTRAL AEROLOGICAL OBSERVATORY. PROCEEDINGS
(Tsentral'naya Aerologicheskaya Observatoriya. Trudy)

1962, NO. 42.

TABLE OF CONTENTS

Page

Some Data on the Composition of the Upper Layers of the Atmosphere by A. V. Fedynskiy 1

Flight-Type Mass Spectrometers by G. M. Martynkevich 22

The Omegatron Mass Spectrometer by A. F. Chizhov 48

Some Processes Occurring in a Mass Spectrometer by A. I. Repnev and A. F. Chizhov 66

Certain Preliminary Results of the Development of a Method for the Quantitative Determination of the Composition of a Gas Mixture by an Omegatron Mass Spectrometer by A. F. Chizhov 96

A Sweep Oscillator by A. S. Ozerova 108

The Use of the Electronic System of the FEU-34 Photo-Multiplier as an Amplifier of Weak Ion Currents by A. V. Fedynskiy 119

A Vacuum System for Mass-Spectrometric Analyses of the Atmosphere by O. K. Kostko and A. V. Fedynskiy 123

Density Measurements by a Time-of-Flight Method by Yu. A. Bragin 132

The Possibility of Measuring the Mobilities and Concentration of Charged Particles in the Atmosphere by the Method of Electrical Shutters by Yu. A. Bragin 143

Measurements of Gas Density by Determining the Path Length of Lithium Ions by Yu. A. Bragin 152

Accommodation of Air on Tungsten Filaments and the Radiation Coefficient of Tungsten by N. V. Zagoruyko and G. A. Kokin 156

A Transistor Switching Circuit by V. I. Kozlov 176

A Magnetic Recording System for Slowly Varying Meteorological Parameters by N. K. Vinnichenko and G. N. Shur 192

CONGRESS OF THE GEOGRAPHICAL SOCIETY USSR (NO. 4). MATERIALS
(Materialy k IV S"ezdu Geograficheskogo Onshohestva.SSSR)

Leningrad, 1964.

SOVIET GEOGRAPHY: Review and Translation

Vol. V, No. 7 September 1964

Contents

Page

Fourth Congress of the Geographical Society USSR

Symposium on Physical Geography of the USSR

Physical-Geographic Regionalization for Agricultural Purposes -- N. A. Gvozdetskiy 3

The Landscape Map of the USSR, its Scholarly and Practical Significance -- A. G. Isachenko 10

Integrated Regional Geographic Atlases -- K. A. Salishchev 17

The Problem of Transformation and Utilization of the Water Resources of the Volga River and the Caspian Sea -- S. L. Vendrov, G. G. Gangardt, S. Yu. Geller, L. V. Korenistov, and G. L. Sarukhanov 23

The Transformation of Nature and Development of the Natural Resources of Arid Areas -- S. Yu. Geller, L. V. Dunin-Barkovskiy, and N. T. Nechayeva 34

Geographical Problems of Development of the Tayga (Northern Forest) -- V. B. Sochava 40

Study, Utilization, and Transformation of Natural Resources in the Mountain Territories of the Southern USSR -- A. B. Bagdasaryan, F. F. Davitaya, K. O. Otorbayev, S. G. Rustamov, and G. K. Tushinskiy 53

Physical-Geographic Processes Unfavorable for Agriculture and Control Measures Against Them -- N. B. Vernander, A. I. Lan'ko, A. M. Marinich, V. P. Popov, V. I. Pomushkevich, A. S. Skorodumov, M. I. Shcherban' 61

Geographical Aspects of Public Health -- A. A. Shoshin 68

Medical-Geographic Forecasting in New Development Areas -- Ye. I. Ignat'yev 72

News Notes -- Theodore Shabad 79

Current Literature 82

DEEP SEISMIC SOUNDING OF THE EARTH'S CRUST IN THE U.S.S.R.: A COLLECTION OF REPORTS.

Glubinnoe Seismicheskoe Zondirovanie Zemnoi Kory
V SSSR, Sbornik.Dokladov, Leningrad, 1962.

TABLE OF CONTENTS

PART I

	Page	Russian Page
Veytsman, P.S. and others. Basic Characteristics of Plutonic Waves Recorded in the Regions of the Northern Tien-Shan, Pamir-Alay and South-western Turkmenistan. Translated by Andrew Philips	1	35
Seismic Investigations of the Earth's Crust Carried Out by the All-Union Scientific Research Institute of Geophysics (VNIIG) on the Russian Platform and in Middle Asia During 1956-1960. Godin, Yu.N. Translated by Walter Burton	40	66
Vol'vovskiy, I.S., Volvovskiy, B.S. Wave Characteristics During Plutonic Seismic Sounding Surveys in Uzbekistan. Translated by George Synenko....	63	77
Fomenko, K.Ye. Wave Characteristic During Plutonic Seismic Investigations of the Earth's Crust in Soutbeastern Turkmeniya. Translated by George Synenko	98	95
Kazanli, D.N., Popov, A.A. Characteristic of Plutonic Waves Recorded in Central Kazakhstan. Translated by George Synenko	127	113
Davydova, N.I. and others. The Wave Characteristic During Deep Seismic Sounding on the Magadan-Kolyma Profile. Translated by Robert Hill	156	133
Egorkin, A. The Structure of the Terrestrial Crust in the Southeast of the Russian Platform. Translated by Andrew Philips	171	145
Pomerantseva, I.V. and Margot'yeva, M.V., On the Question Concerning the Nature of Waves Recorded During the Deep Seismic Sounding. Translated by George Synenko	213	165

PART II

	Page	Russian Page
Litvinenko, I.V., Nekrasova, K.A. Special Features of Deep Seismic Sounding in Baltic Shield. Translated by Henry Tomas	248	187
Trebukova, B.D. Results in Connection with the Application of the Deep Seismic Sounding Method on the Dry Land in Azerbaydzhan SSR. Translated by Andrew Philips	277	206
Pashutina, S.P. Deep Seismic Soundings in Western Siberia. Translated by Andrew Philips	291	217
Gal'perin, Ye. The Fundamental Characteristic of Plutonic Waves Recorded During Deep Seismic Sounding in the Central Part of the Caspian Sea. Translated by Robert Hill..	305	227
Donabedov, A.T. and others. Study of the Structure of Terrestrial Crust in Western Coast Line of Caspian Sea with Application of Deep Seismic Sounding Method. Translated by Andrew Philips	343	250

	Page	Russ. Page
Neprochnov, Yu.N. Results of Abyssal Seismic Sounding in the Black Sea Translated by Andrew Philips	382	271
Aver'yanov, A.G., Veytsman, P.S. and others. Basic Characteristics of Abysmal Waves Registered During Abysmal Sounding in the Zone of Transition from the Asiatic Continent to the Pacific. Translated by Andrew Philips	397	282
Bulin, N.K. Experience in Registering Blasts with Low Frequency Seismic Instruments. Translated by George Synenko	423	300
Butovskaya, E.M. and Ulomov, V.I. Hodographs of Seismic Waves and Certain Special Features of the Earth's Crustal Structure in Central Asia According to the Recorded Data of Powerful Blasts. Translated by George Synerko.	438	309
Alekseyev, A.S. Kinematic and Dynamic Properties of Basic Plutonic Waves in the Case of Some Theoretic Models of the Earth's Crust. Translated by Walter Burton	458	320
Yepinat'yeva, A.M. Dynamic Relation Between Reflected Waves and Refracted Waves in a Seismic Survey. Translated by Walter Burton	487	334

PART III

	Page	Russ. Page
Aver'yanov, A.G. Identification of Refraction Waves in Application of DSS Method in Northwestern Part of Okhotsk Sea. Translated by Andrew Philips	501	342
Zverev, S.M. Concerning Multiple Refracted and Reflected Waves in the Ocean. Translated by George Synenko	537	362
Tagay, E.D. and Ivanova, N.P. Employment of Reflected Waves for the Investigation of the Earth's Plutonic Crustal Structure. Translated by George Synenko	552	370
Ryaboy, V.Z., Steinberg, G.G. Some Results of Laboratory Regulated Directional Reception (RNP) of Seismic Waves for DSS Materials Interpretations. Translated by Andrew Philips	572	385
Mikhota, G.G. Results of Certain Experiments for the Study of the Dependence of the Intensity and Frequency Spectrum of Seismic Oscillations on the Size of the Charge. Translated by Dimitri Shalikashvili	588	395
Khudzinskiy, L.L. An Experiment to Apply the Spectral Analysis in Seismic Prospecting. Translated by Henry Tomas	613	409
Vasil'yev, Yu.I. and others. On Low Frequency Seismic Prospecting. Translated by Walter Burton	634	420

	Page	Russ. Page
Galkin, I.N., Zayonchkovskiy, M.A. Concerning Equipment for Deep Seismic Sounding. Translated by George Synenko	649	428
Voyutskiy, V.S. The Method of Accumulation as Means of Increasing the Sensitivity for Instruments. Translated by Andrew Philips	674	448
Lunarskiy, G.N. and Neprochnov, Yu.P. Experience Gained in Employment of Seismo-Acoustical Radiobuoys in Deep Seismic Soundings in the Black Sea. Translated by Andrew Philips	685	455
Zayonchkovskiy, M.A. On Absolute Effective Values in Seismic Signals Observed During Application of Deep Seismic Sounding Operations. Translated by Andrew Philips	694	461
Subbotin, S.I. Studies of the Upper Mantle. Translated by Dimitri Shalikashvili	708	468
Riznichenko, Yu.V., Tal'virskiy, V.V. Certain Considerations Concerning the Relation Between Theory and Experiment During Studies of the Earth's Crust. Translated by Dimitri Shalikashvili	709	469
Shraybman, V.I., Bulin, N.K. Use of Deep Seismic Sounding Data for Determining the Nature of the Gravity Field of the Western Part of Central Asia. Translated by Dimitri Shalikashvili	718	473
Pariyskaya, G.N., The Necessity of Taking Into Account Interference Phenomena. Translated by Dimitri Shalikashvili	724	476
Kosminskaya, I.P. Comparisons Between Detailed and Less-Detailed Observations. Translated by Dimitri Shalikashvili	728	479
Gal'perin, Ye.I. Selection of Frequency in Deep Seismic Sounding. Translated by Walter Burton	742	485

ENGINEERING JOURNAL

(Inzhenernyi Zhurnal)

1964, VOL. 4, NO. 2

Following is a translation of ten articles from the Russian-language periodical Inzhenernyy Zhurnal (Engineering Journal), Editor-in Chief A. A. Nikol'skiy, published by the Academy of Sciences USSR, Moscow, Vol IV, No. 2, 1964. Complete bibliographic information accompanies each article.

CONTENTS

Page — Russ. Pages

The Design of Multistage Rockets, by V. A. Kosmodem'yanskii ... 1 ... 219-224

Integral Equations for the Problem of the Irregular Fusion of Glassy Materials, by E. M. Shakhov ... 10 ... 251-253

Linear Theory of the Stability of Cylindrical Casings by A. S. Vol'mir ... 15 ... 263-265

Bending Orthotropic Elliptical Plates Freely Supported Along the Contour, by I. I. Faerberg ... 20 ... 266-267

The Solution of the Three-Dimensional Problem in the Elasticity Theory of a Cylinder, by V. I. Makhovikov ... 24 ... 268-274

Equations of Motion of an Axisymmetric Rocket in Cylindrical Coordinates, by V. K. Svyatodukh ... 34 ... 302-309

Determination of the Natural Vibration Frequencies of Continuous Plates, by Zh. K. Makhortykh ... 47 ... 357-359

Stress Concentration Around the Curvilinear Openings in the Lateral Wall of a Circular Cylinder, by A. N. Guz' ... 52 ... 360-364

Plane Problem of the Theory of Elasticity for Plates of Variable Thickness, by Yu. P. Kochanov ... 60 ... 368-375

The Mechanics of Low-Thrust Space Flight, by G. L. Grodzovskii ... 74 ... 390-423

EDITORIAL BOARD OF ZAVODSKAYA LABORATORIYA

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A translation of Zavodskaya Laboratoriya, a publication of the
State Scientific-Technical Committee of the
Council of Ministers of the USSR
(Russian Original Dated December, 1963)

Vol. 29, No. 12, pp. 1575-1748 June, 1964

CONTENTS

METHODS OF CHEMICAL ANALYSIS

	PAGE	RUSS. PAGE
Extraction-Photometric Methods of Analysis Using Basic Dyes (Review). I. A. Blyum and N. N. Pavlova	1575	1407
Determination of Tellurium in Arsenic by the Fluorescent Method. V. M. Vladimirova, N. K. Davidovich, G. I. Kuchmistaya, and L. S. Razumova	1587	1419
Extractive-Complexometric Determination of Cobalt in Alloys Based on Iron, Copper, and Nickel. V. P. Zhivopistsev and E. A. Selezneva	1589	1421
Amperometric Determination of Manganese, Chromium, and Vanadium in Alloy Steels. A. I. Filenko	1591	1423
Determination of Oxygen, Hydrogen, and Nitrogen in Tungsten, Niobium, and Tantalum. Yu. A. Klyachko, T. A. Izmanova, and E. M. Chistyakova	1593	1425
Use of an Alkaline Oxidant for the Dissolution of Niobium, Tantalum, and their Alloys to Determine their Nitrogen Contents. B. Ya. Kaplan and G. N. Revyakina	1595	1427
A Conductimetric Method for the Analysis of Solutions of Ammonium Phosphates and Ammonium Sulfates. R. I. Kudryashova, G. D Kharlampovich, and V. F. Degtyareva	1596	1429
Analysis of Mixtures of Some Halogen Compounds. A. I. Orochko and P. A. Épik	1598	1431
Determination of Microgram Quantities of Iodine. E. I. Savichev, I. G. Vasil'eva, and E. I. Golovin	1600	1433
Polarographic Determination of Chlorine Derivatives of Methane. K. G. Berezina, L. K. Kutanina, and V. V. Katsion	1601	1434
Potentiometric Determination of Hydrazides of Dicarboxylic Acids by Potassium Iodate. A. P. Grekov, S. A. Sukhorukova, and K. A. Kornev	1603	1436
Determination of Small Concentrations of Tertiary Amines in Solutions. É. Sh. Ioffe and A. M. Ivanova	1604	1437
Analysis of Elementary Iodine to find the Content of Cyanide Impurities. A. N. Alekseeva and A. I. Sakharova	1604	1437
A Rapid Method for the Determination of β-Phenylethyl Alcohol in Commercial β-Phenylethyl Alcohol Raw Material. N. V. Moiseeva and M. N. Merzlikina	1605	1437

METHODS OF SPECTRAL ANALYSIS

	PAGE	RUSS. PAGE
Methods for Obtaining the Infrared Spectra of Fibrous Materials (Review). R. G. Zhbankov	1606	1438
Analysis of Mixtures of Acids and Anhydrides by Means of their Raman Spectra D. P. Mironov and V. V. Zharkov	1609	1441
A Spectral Method for Investigating the Migration of Impurities in Oxide Cathodes of Electron Tubes. G. I. Vidro and N. V. Maslennikova	1611	1443
Construction of Calibration Curves for Reabsorption Lines. A. K. Tumanov	1613	1445

CONTENTS (continued)

PAGE RUSS. PAGE

Special Features of the Entry of Material from the Electrode Surface in Microspectral Analysis. V. F. Yankevich and I. V. Bezruchko 1615 1447
Determination of the Isotopic Composition of Lithium by the Atomic Absorption Method. A. N. Zaidel' and E. P. Korennoi 1617 1449
A Spectrochemical Method for Determining Boron in Silicon Dioxide. M. P. Semov 1618 1450
Spectral Determination of Silicon, Manganese, and Phosphorus in Gray Cast Iron. V. I. Matavina 1620 1451
Spectral Determination of Silicon in Pig Iron. V. T. Lyakishev, G. P. Platonova, and A. A. Sinitsyn 1620 1452

PHYSICAL METHODS OF INVESTIGATION

The Choice of Magnetic Characteristics for Testing Ferromagnetic Materials and Electromagnetic Devices. 1622 1453
Tests of Electrotechnical Steel. N. A. Grekov, V. D. Durnev, and A. M. Shkatova 1622 1453
Determination of the Thickness of Electrotechnical Steel. V. D. Durnev and E. M. Zabelina 1623 1455
Summary of the Discussion of the Magnetic Characteristics of Ferromagnetic Materials. 1624 1456
Determination of the Depth of the Active Quenched Layer and the Amount of Residual Austenite in the Surface Layer of Rollers used in Cold Rolling. M. N. Mikheev, V. M. Morozova, G. V. Surin, and V. S. Bochenkov 1627 1459
Application of the Differential Magnetic Method to the Investigation of Steel at Subcritical Temperatures. K. K. Kozlov 1629 1461
Detection of the α-Phase in Austenitic Steel by the Oscillographic Method. L. A. Krasil'nikov and V. A. Chertousov 1631 1463
Automatic X-Ray Quality Control of Spot Welds in Duralumin Alloys. R. M. Dombrugov, L. S. Fel'dman, and A. P. Zozulya-Churus 1632 1464
The Use of Quantitative Metallography Methods in Mineralogical Analysis. T. M. Pereskokova . . 1636 1468
Utilization of Photoelectric Phenomena in the Electrolysis of Molten Salts. S. M. Sutovskii 1640 1472
Use of the Mass Spectrometer for Determining the Amount of Hydrogen in Metals. A. I. Vygodskii, V. G. Nesterenko, and D. G. Sherman 1642 1474

MECHANICAL METHODS OF TESTING

A Method for the Investigation of Cyclic Strain Diagrams Obtained at Constant High Temperatures. A. P. Gusenkov and R. M. Shneiderovich 1644 1476
Determination of True Ultimate Strength and Uniform Strain. M. I. Prudnikov 1648 1480
Construction of True Stress Curves Taken from the Measurement of the Cross Section of Flat Specimens. I. P. Obozov 1651 1483
A Method for Measuring the Hardness of Specimens with a Rough Surface. M. S. Drozd and A. V. Drozdov 1654 1485
A Method for Taking into Account Plastic Strain in Determining Rockwell Hardness. K. M. Pogodina-Alekseeva 1657 1488
On the Fatigue Testing of 3-mm Diameter Specimens. V. N. Gulyaev 1658 1490

LABORATORY APPARATUS AND TECHNIQUE

Apparatus for Determining Deformation and Stress by Means of Optically Sensitive Coatings. P. T. Bogdyl' and N. I. Prigorovskii 1661 1492
Apparatus for Measuring tan δ and ε' as Functions of Temperature for Polar Polymers. D. A. Dmitrochenko, A. M. Lobanov, and V. A. Shevelev 1664 1495
Calibration of Chromatographic Instruments with Thermochemical Detectors. A. M. Levit 1667 1497

CONTENTS (continued)

	PAGE	RUSS. PAGE
Semiautomatic Relaxation Meter. O. S. Reutov and A. B. Gugnyak	1670	1500
Device for Testing Tubular Pressure-Gauge Springs for Creep. L. M. Butkevich, F. Ya. Gorbachev, M. P. Gridnev, M. B. Makogon, and G. K. Pyatnichuk	1671	1500
Automatic Cut-Out Switch for Multipoint Fatigue Machines. T. K. Marinets and V. M. Nikitin	1672	1501
Modernization of the UKIT-3000 Fatigue-Testing Machine. A. A. Gudkov	1672	1501
Reverser for Tensile Tests of Metals. V. D. Yaroshevich	1673	1502
Device for Determining the Dynamic Properties of Immersion Thermocouples. L. I. Levi, É. A. Chernin, and A. I. Degal'tsev	1674	1502
Automatic Control of Temperature Conditions in High-Frequency Devices. L. I. Levi, V. D. Pozdnev, and Yu. D. Pozdnev	1675	1503
Device for the Zone Melting of Substances with Low Surface Tension without the Use of Crucibles. A. I. Shilkin and A. A. Kuliev	1676	1504
Device for Multiple Stretching of Rubbers. I. T. Gridunov, S. I. Strizhenov, S. F. Pryakhina, and A. A. Sokolovskii	1677	1505
Device for Zone Melting. G. I. Abakumov and É. E. Konovalov	1679	1506
Adapter for Programmed Temperature Control. V. K. Koshelev	1680	1507
Narrow-Slit Collimator for the X-Ray Structural Analysis of Powders Under Small Angles R. G. Grebenshchikov and V. A. Frank-Kamenetskii	1681	1508

REVIEWS AND BIBLIOGRAPHY

	PAGE	RUSS. PAGE
Chemical Analysis of Industrial Sewage. Yu. Yu. Lur'e and A. I. Rybnikova	1683	1509
Notice to Directors of Metallography and Material Strength Laboratories of Plants, and Educational and Scientific Research Institutes.	1684	ins. rear cov.
KRFS-2 Short-Wave X-Ray Fluorescent Spectrometer.	1685	outside rear cover
DRUS-3 Long-Wave X-Ray Universal Spectrometer.	1685	
Author Index. Volume 29. Numbers 1-12	1689	
Tables of Contents. Volume 29. Numbers 1-12	1712	

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Industrial Laboratory

A translation of Zavodskaya Laboratoriya, a publication of the
State Scientific-Technical Committee of the
Council of Ministers of the USSR
(Russian Original Dated January, 1964)

Vol. 30, No. 1, pp. 1-174 **July, 1964**

CONTENTS

PAGE RUSS. PAGE

The Introduction of Modern Methods of Investigation and Control in Chemical Industry 1 3

METHODS OF CHEMICAL ANALYSIS

Griphite Electrodes in Electrochemical Methods of Analysis (Review). V. G. Barikov and O. A. Songina 3 5
Criteria for Optimum Conditions in Alternating Current Polarography. S. B. Tsfasman 7 8
The Effect of Electolysis Potential on the Depth of Anodic Wave in the Method of Amalgam Polarography with a Stationary Drop Electrode. M. S. Zakharov 13 14
The Amperometric Determination of Antimony in the Presence of Tin. A. P. Voiloshnikova and O. A. Songina 18 18
The Photometric Determination of Niobium in Ores with Acid Chrome Violet K. R. S. Tramm and K. S. Pevzner 20 20
Fluorescent Method of Determining a Microadmixture of Sulfur in Red Phosphorus by Means of Fluorescein Tetramercuriacetate. V. S. Yanysheva 23 23
Determination of Free Chlorine and Sulfur Dioxide in Mixtures of Sulfur Chlorides and Oxychlorides. G. V. Zavarov 26 25
Polarographic Analysis of Cyclohexylhydroxylamine in the Presence of Nitrocyclohexane. I. A. Avrutskaya, V. G. Khomyakov, and M. Ya. Fioshin 29 28
Chromatographic Analysis of Gases in Two Columns in a KhL-3 Apparatus. N. A. Kudryavtseva and G. A. Letunovskaya 31 29
Amperometric Determination of Manganese in a Zinc Electrolyte. V. I. Gordienko, P. I. Kovalenko and Z. I. Ivanova 33 31
Analysis of Lead Silicate by Means of Versene. V. D. Konkin and V. I. Zhikhareva 34 31

METHODS OF SPECTRAL ANALYSIS

Absorption Flame Photometry (Survey). N. S. Poluéktov and Yu. V. Zelyukova 35 33
Method for the Spectral Analysis of High-Purity Graphite. L. B. Gorbunova, E. S. Kon'kova, and A. F. Kuteinikov 41 38
Chemicospectral Method for the Determination of Impurities in Pure Arsenic. G. A. Kataev and Z. I. Otmakhova 43 40
Uniform Blowing of High-Dispersion Powders into the Arc Flame in Spectral Analysis. A. K. Rusanov and V. S. Vorob'ev 45 41

CONTENTS (continued)

	PAGE	RUSS. PAGE
Spectrophotometric Method for Analyzing Multicomponent Mixtures with Respect to Absorption in the Ultraviolet Region. A. I. Finkel'shtein, E. N. Boitsov, and Yu. I. Mushkin	49	44
Absorption X-Ray Analysis of Molybdenum-Beryllium Alloys. V. N. Karev and N. N. Matyushenko	51	45
Spectral Analysis of Steel and Cast Iron for the Content of Residual Elements. O. I. Nikitina and N. K. Ivanova	53	46
Determination of Magnesium in Cast Iron by Means of FÉS-1 Devices. I. E. Lev	54	47
Spectrochemical Determination of Zirconium in the Fused-on Layers of Rolling-Mill Rollers. V. M. Galushko, A. V. Lukanin, A. A. Lut, and D. S. Fishman	55	47
Refinement of the Spectral Method for Determining Boron in Soils. O. I. Alikhanova	56	47
Application of Pulse Discharge inside a Hollow Cathode for the Analysis of Gaseous Mixtures. V. I. Gladushchak and E. Ya. Shreider	57	47
Spark Method for the Excitation of Spectra of Powder Specimens. S. A. Shipitsyn	58	48
A Method for Firing Carbon Electrodes. S. G. Tsvetkov	59	48
Ultrasound Mixing of Finely Ground Powders. E. N. Lesnikova and A. F. Yanushkevich	60	49
Use of Steeloscopes for the Inspection of Alkali in the Cement Industry. T. K. Massil'on	61	49
Use of the MF-4 Microphotometer with the ÉPP-09 Self-Recording Potentiometer for the Recording of Spectra. L. V. Sokolova	62	50
Die for Preparing Specimens of Alkali-Halide Salts. A. A. Boldin	63	50
Circuit for Setting the Interelectrode Gap in Work with a Pulse Generator. V. M. Nizel'	64	50

PHYSICAL METHODS OF INVESTIGATION

	PAGE	RUSS. PAGE
Determination of Gas Impurities in Metals by Using the Method of Radioactivation Analysis (Survey). I. A. Maslov	65	51
Quantitative Estimate of the Grain-Orientation of Sheet Materials. L. A. Kalinets	69	54
Nature of Nonmetallic Inclusions of Rare Earth Elements in Iron and Steel. Yu. I. Rubenchik, Yu. V. Kryakovskii, V. I. Yavoiskii, and M. N. Kul'kova	73	57
Method of Revealing the Dislocation Structure of Austenitic Steel by Etching. M. E. Blanter, L. A. Metashop, and É. I. Arsybusheva	76	58
The "Ultraviolet Color" Method of Micrographic Analysis of Iron-Chromium-Nickel Alloys. L. P. Zaitseva and T. G. Porokhova	79	61
Thermographic Method of Studying Heterogeneous Processes. V. D. Savin and V. A. Reznichenko	83	63
Analysis of Ternary Mixtures in Ionization Gas Analyzers. I. P. Sklyarenko, M. D. Krivitskii, and F. E. Krigman	88	67
Test Object for the Calibration of the Magnification of Electron Microscopes. G. I. Distler and G. P. Yampol'skaya	91	69

MECHANICAL METHODS OF TESTING

	PAGE	RUSS. PAGE
Investigation into the Laws Governing the Strain and Failure of Mild Steel under a Small Number of Cycles. S. V. Serensen and N. A. Makhutov	94	72
Investigation of the Rate of Growth of Fatigue Cracks by Measuring the Frequency of Natural Vibrations. Yu. D. Sofronov	99	77
The Effect of Some Factors on Impact Strength of Various Types of Specimens. I. V. Navrotskii, V. I. Baguzin, and Yu. S. Tomenko	103	81
Assessment of the Tendency of a Steel to Cold Brittleness under a Nonuniform Temperature Distribution. R. G. Arone and P. I. Sokolovskii	108	86
Tensile Testing of Wire at High Temperatures. A. V. Kosolapov	111	88

CONTENTS (continued)

PAGE RUSS. PAGE

Determination of the Spacing of Indexing Grids in Investigating Local Plastic Deformations. N. A. Borodin . . . 113 90
Method for Determining the Strength of Bonding Between Electrolytic Coatings and the Base Metal. P. A. Pepchuk . . . 116 93
Method for Checking the Strengthening of the Inside Surfaces of Pipes. V. S. Porokhov . . . 118 94

INSTRUMENTS AND LABORATORY TECHNIQUES

Rotary Device for Testing Metals for Hydroabrasive Wear. M. G. Timerbulatov . . . 119 95
Unilateral Polarization Device for Investigating Stresses by Means of Optically Sensitive Data Transmitters. A. S. Tatarinov . . . 122 97
Device for Determining the Elasticity Modulus of Sheet Materials at Higher Temperatures. E. P. Nechiporenko and A. D. Osipov . . . 124 98
Device for Studying the Deformation of Small Soft Metallic Specimens. D. E. Ovsienko and E. I. Sosnina . . . 125 99
New Vibration Viscosimeters. A. B. Kaplun, O. P. Makarova, and A. N. Solov'ev . . . 127 100
Device for Measuring the Temperature Dependences of the Parameters of Magnetic Materials. A. F. Kugaevskii and A. L. Grokhol'skii . . . 130 103
Device for the Turbidimetric Titration of Polymers. B. M. Fainshtein and K. Z. Fattakhov . . . 132 104
Automatic Analyzer for Determining Hydrogen in Water. V. B. Aleskovskii, V. A. Koval'tsov, I. N. Fedorov, and G. P. Tsyplyatnikov . . . 134 105
Adapters to UR-10 and IKS-14 Infrared Spectrophotometers. R. R. Shagidullin, V. K. Zagidullin, and B. Ya. Teitel'baum . . . 136 107
Semiautomatic Device for Particle Counting. V. S. Ionkin and Yu. V. Ovchinnikov . . . 138 108
Adapter to VP-101 Machines for Corrosion Cracking Tests. V. F. Gorshkov and I. V. Andreev . . . 139 109
Batcher for Uniform Low-Rate Feed of Liquids. I. P. Reznikov and S. P. Zezyanov . . . 140 109
Autoclave for Chemical and Corrosion Tests at High Temperatures and Pressures. V. V. Gerasimov, A. I. Gromova, and É. T. Shapovalov . . . 141 110
Automatic Device for Measuring the Absorption of Small Amounts of Gas. V. F. Tsepalov . . . 142 111
Thermostatically Controlled Device for Extraction. V. N. Glotov . . . 143 111
Adapter for Dehydration of Organic Materials and Determination of Moisture. B. V. Volkov . . . 144 112
Portable Laboratory Device for the Screen Analysis of Dry Samples. E. D. Fedorov and V. V. Shatalov . . . 145 112
Funnel for Faster Separation of Precipitates. V. G. Chukhlantsev . . . 146 113

IN THE INDUSTRIAL LABORATORIES

Production Control Methods at the V. I. Lenin Donets Soda Plant. G. Svetailova . . . 147 114
Analytical Inspection at the Lisichansk Chemical Combine. E. T. Sarancha . . . 148 114
Production Control at the Chirchik Electrochemical Combine. M. F. Matrosova and E. P. Timasheva . . . 149 115
Nondestructive Testing in the Laboratory of Kievénergo. Sh. Ts. Golyanskii . . . 151 116

ORGANIZATION OF LABORATORY WORK AND EXCHANGE OF IDEAS

On the Magnetographic Method of Inspecting Welded Seams in Pipes. . . . 152 117
New Laboratory Instruments. O. B. Andreev . . . 158 121
Conference on the Introduction of Electron Microscopy in Industry. V. M. Luk'yanovich . . . 159 121

CONTENTS (continued)

	PAGE	RUSS. PAGE
Intercollegiate Conference on the Strength and Plasticity of Metals. Yu. S. Terminasov	160	122
All-Union Conference on X-Ray Spectroscopy. I. Orient	162	123
Seminar on the Methodology of the Mathematical Description of Chemical and Metallurgical Processes. E. V. Markova	163	124
Convocation of a Conference on the Inspection of Welded Joints.	164	124

INFORMATION

	PAGE	RUSS. PAGE
Laboratory Instruments at the Exhibition of Achievements of the People's Economy.	154	118

CRITICISM AND BIBLIOGRAPHY

	PAGE	RUSS. PAGE
Analytical Chemistry and Its Development. I. S. Mustafin	165	125
Books to be Published in 1964. M. Zal'tsman	167	126
Aleksandr Vladimirovich Vinogradov.	169	128
DRS-2 Long-Wave X-Ray Spectrograph.	170	Back Cover
UÉMV-100 Universal High-Resolution Electron Microscope.	171	Back Cover

EDITORIAL BOARD OF ZAVODSKAYA LABORATORIYA

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Industrial Laboratory

A translation of Zavodskaya Laboratoriya, a publication of the
State Scientific-Technical Committee of the
Council of Ministers of the USSR
(Russian Original Dated February, 1964)

Vol. 30, No.2, pp. 175-332 **September, 1964**

CONTENTS

	PAGE	RUSS. PAGE
"... Communism is the Soviet Power Plus Electrification of the Whole Country Plus the Introduction of Chemical Processes into the National Economy	175	131

METHODS OF CHEMICAL ANALYSIS

Vector Polarograph Employing a Stationary Drop S. B. Tsfasman and R. M.-F. Salikhdzhanova	177	133
Determination of Microgram Amounts of Tellurium in an AC Polarograph R. G. Pats, S. B. Tsfasman and T. V. Semochkina	184	140
Polarographic Determination of the Total Rare-Earth Content by Displacement of Lead from the Solid Phase. E. M. Skobets and V. A. Chernyi	191	147
Determination of Fluorine as $4PBF_2 \cdot PbI_2$ Sh. T. Talipov and V. S. Podgornova	194	149
Determination of Microgram Amounts of Chloride Ions in Water P. N. Palei and N. I. Udal'tsova	196	151
Polarographic Investigation of Polymers (Review) V. D. Bezuglyi	199	154
Polarographic Determination of α- Methylstyrene in the By-Products of Phenol and Acetone Manufacture. V. N. Pavlov, N. A. Kurochkina and Z. S. Frolova	205	159
Polarographic Determination of Acetaldehyde in the Presence of Acrylonitrile V. I. Klyaev, F. A. Slisarenko and A. V. Finkel'shtein	207	160
Polarographic Determination of Isoquinoline in Heavy Coal Tar Bases After Separation by the Paper Chromatography Method. T. M. Markacheva and L. I. Kornilova	209	162
The Determination of Free Silicon Dioxide in High-Silicate Rocks (Exchange of Experience). E. G. Romanenko and A. A. Zubritskaya	212	164

METHODS OF SPECTRAL ANALYSIS

Choice of the Primary Radiation for the Excitation of X-Ray Fluorescence Spectra G. V. Pavlinskii and N. F. Losev	213	165
X-Ray Spectral Determination of Low Titanium Percentages in Niobium Pentoxide Yu. G. Lavrent'ev	217	168
Spectrochemical Determination of Trace Impurities in Titanium Dioxide Z. G. Fratkin	219	170
Spectral Analysis of Artificial Stone V. A. Dorofeev, I. E. Lipovskii, and G. S. Avramova	172	222
Spectrographic Determination of Impurities in Molybdenum and Molybdenum Compounds by Evaporation. O. F. Degtyareva and M. F. Ostrovskii	224	174

CONTENTS (continued)

PAGE RUSS. PAGE

Determination of Aldehyde Groups in Cellulose Dialdehyde by Diffuse-Reflection Spectroscopy. I. N. Ermolenko, M. Z. Gavrilov, and A. V. Plotnikova . . . 227 176
Spectral Analysis of Titanium Dioxide and Silicon Carbide by Using the Evaporation Method. V. T. Kalinnikov and A. N. Shteinberg . . . 229 178
Measurement of the Infrared Absorption Spectra of Natural Cellulose Fibers S. S. Gusev and I. N. Ermolenko . . . 232 181
Effect of the Composition of Solutions on the Radiation Intensity of Rare-Earth Elements in Hydrogen-Oxygen Flame. O. A. Shiryaeva and Sh. G. Melamed . . . 235 183
Adapter for Incinerating Graphite Powder. V. T. Kalinnikov and A. N. Shteinberg . . . 237 185

PHYSICAL METHODS OF INVESTIGATION

Method for Determining the Electrodiffusion Potential in Binary Metallic Melts. V. A. Rotin, D. K. Belashchenko, B. S. Bokshtein, and A. A. Zhukhovitskii . . . 238 186
Determination of Beryllium in Voluminous Specimens by Using the Photoneutron Method. E. I. Zaitsev and V. N. Smirnov . . . 243 190
Adjusting the Sensitivity of an Ultrasonic Flaw Detector. I. N. Ermolov . . . 247 193
Checking the Uniformity of Monocrystalline Germanium by the Single Probe Method. M. I. Iglitsyn, D. I. Levinson, and V. U. Chernopisskii . . . 251 197
Measuring Diffusion Length in Semiconductors by the Double Light Probe Method. A. A. Meier and R. Ya. Edemskaya . . . 255 201
Measuring Small Changes in Electrical Resistance. I. M. Kilichenko . . . 257 203
Standard Gnomostereographic Projections for the Orientation of Massive Samples of Corundum and Rutile. V. M. Al'tshuller, O. M. Mrazkova, and S. V. Rychkova . . . 259 203
Use of the RKD Camera for Inverted Symmetrical Photographs. P. K. Verbovenko . . . 259 205
Chemicothermal Methods of Adding Radioactive Phosphorus to Metals. V. V. Mural' . . . 261 205
Silicon Carbide Probe for Testing Semiconductor Materials. V. A. Dorin and M. M. Kozlov . . . 262 206
Investigation of the Isothermal Transformation of Austenite by Means of an Oscilloscope. E. T. Kondrat'ev . . . 262 206
A Method for the Calculation of the Activity of Radioactive Materials. V. Ya. Gavrik . . . 263 206
Exposure of the Microstructure of Aluminum Foil. N. E. Markova and T. D. Chernyshova . . . 264 207

MECHANICAL METHODS OF INVESTIGATION

Dynamic Methods of Determining the Elastic Modulus of Materials at Elevated Temperatures (Survey). L. M. Mukhin . . . 265 208
A Method for Fatigue Testing in Liquid Metals with Mass Transfer. V. I. Nikitin . . . 272 213
On a Rapid Method for Determining The Fatigue Strength of Fiber-Glass-Reinforced Plastics. V. A. Bershtein and L. A. Glikman . . . 274 215
Investigation of the Plastic Strain of Specimens by Means of Applied Grids. A. T. Radchenko . . . 278 218
A Method for Testing Alloys for Corrosion Cracking at High Temperatures and Pressures in Liquid Media. Yu. I. Archakov, Z. L. Berlin, I. D. Grebeshkova, V. P. Teodorovich, and A. D. Shusharina . . . 281 221
The Determination of the Strength of Materials with Small Samples. K. I. Syskov, I. M. Timofeeva, and V. Ya. Tsarev . . . 283 223
The Construction of Limiting Surfaces for a Biaxial Stressed Condition of Anisotropic Materials. E. K. Ashkenazi . . . 285 225

INSTRUMENTS AND LABORATORY TECHNIQUES

Device for Fatigue Strength Tests on Materials in a Vacuum at up to 1800°C. B. M. Ovsyannikov, D. V. Lebedev, A. K. Melekhin, and N. N. Vol'nov . . . 288 228
A Machine for Testing Key Joints for Cyclic Torsion Strength. L. T. Balatskii . . . 290 230
On Testing Glass for Surface Friction. L. N. Kopytov . . . 292 231

CONTENTS (continued)

PAGE RUSS. PAGE

Device for Measuring the Amplitude of Signals Received from an Ultrasonic Flaw Detector. I. N. Ermolov and M. F. Krakovyak. 294 232
Thermistors for Measuring the Surface Temperature of Bodies. P. T. Oreshkin, A. V. Tret'yakov, S. B. Bykov, A. V. Grachev, and A. D. Karateev 296 234
An Automatic Turbidimetric Device Incorporating an FEP-1 Photoelectric Cell. B. Ya. Teitel'baum and M. P. Dianov 298 235
A Laboratory Electrolyzer for Obtaining Hydrogen. O. S. Ksenzhek, E. A. Kalinovskii, and N. D. Koshel' 301 237
MKU-48 Relay in a Temperature Control Circuit. V. Komarov 303 238
Electromagnetic Vibration Viscosimeter. S. V. Shtengel'meier. 303 238

IN THE INDUSTRIAL LABORATORIES

The Central Laboratory of the Dneprodzerzhinskii Coke and Chemical Factory—an Association of Communist Labor. B. I. Meniovich 305 240
The Work of the Central Factory Laboratory of the Gorky Automobile Works. D. I. Yudichev . 307 241
Analytical Control in the Dneprodzerzhinsk Nitrogen Fertilizer Factory. M. M. Korosteleva . . 308 241
Ways of Increasing Operating Efficiency in Fuel Laboratories. L. G. Konovich 310 243

ORGANIZATION OF LABORATORY WORK AND EXCHANGE OF VIEWS

From the Editorial Office 312 245
Assessment of the Efficiency of an Analytical Service. S. M. Raiskii 312 245
A New Hardness Number. B. I. Pilipchuk. 315 246
Procedure for Working with Radioactive Materials. Sh. Sh. Ibragimov and L. A. Syshchikov . . 321 251

INFORMATION

X-Ray Apparatuses for Defectoscopy. E. S. Baran and V. I. Galaktionov 324 253
Second Siberian Conference on Spectral Analysis. M. A. Serd 327 255
Convocation of the Eighth Conference on the Use of X-Rays for the Investigation of Materials. Organization Committee 328 255
Sergei Tikhonovich Nazarov 329 256

EDITORIAL BOARD OF
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Industrial Laboratory

A translation of Zavodskaya Laboratoriya, a publication of the
State Scientific-Technical Committee of the
Council of Ministers of the USSR

Vol. 30, No. 3 **March, 1964**

CONTENTS

PAGE RUSS. PAGE

Cybernetics in the Coordination of Scientific Research Work. V. V. Nalimov and G. G. Vorob'ev 333 259

METHODS OF CHEMICAL ANALYSIS

Polarography with Accumulation at a Stationary Electrode (Review). A. G. Stromberg and É. A. Zakharova 335 261
Determination of Total Rare Earths by Bilateral Differential Spectrophotometry. V. I. Ganopol'skii, V. F. Barkovskii, and T. A. Ganopol'skii 342 267
A Comparison with Other Methods of the Amperometric Titration of Metals by Means of a Thionalide Solution. Yu. I. Usatenko and T. V. Zamorskaya 345 270
Quantitative Determination of Cadmium as Fluoroborates of Cadmium Hexammine and Tetrammine. Z. T. Maksimycheva and A. Babaev 348 273
Determination of the Free Acid in Solutions Containing Large Amounts of Ferric and Ferrous Iron. Yu. Yu. Lur'e and I. Yu. Zhal'neryus 350 275
Reducing Method of Determining Chlorine and Bromine in Organic Substances. G. G. Petukhov and T. V. Guseva 351 276
Coulometric Determination of Monomers for Monitoring Manufacture of Polymers. D. B. Gurvich, V. A. Balandina, and L. M. Paikina 353 278
Colorimetric Method of Determining an Admixture of Cyclopentadiene in Isoprene. V. G. Baranova, A. F. Moskvin, and T. F. Kurochkina 357 281
Potentiometric Control of the Purity of Acetonitrile and Determination of its Hydrolysis Products. Ya. I. Tur'yan and V. A. Aliferova 360 284
Photometric Determination of Furfural in Petroleum Products. A. A. Ratovskaya and L. A. Kuz'menko 363 286
Colorimetric Determination of Manganese Catalyst in Paraffin (Exchange of Experience). D. V. Faerman and D. S. Chigrin 365 288
Methods of Measuring the Lifetime of Excess Charge Carriers in Semiconductors (Survey). B. D. Kopylovskii 366 289
Checking the Density of Dislocations in Germanium. V. N. Maslov, A. V. Ovodova, and L. V. Nabatova 374 295
Precision Measurements of Crystal Lattice Parameters. F. I. Bochkaev and G. V. Davydov. 377 297
Use of an Over-All Counter Dead-Time Correction. A. V. Kuznetsov and M. S. Filatov . . 381 300
Metallographic Method of Determining the Activation Energy of Recrystallization. A. A. Gol'denberg 383 302
Determination of the Degree of Texturization of Transformer Steel. Ya. V. Grechnyi, G. M. Vorob'ev, and I. P. Shmyrev 386 305

CONTENTS (continued)

PAGE
ENG. | RUSS.

Determination of the Amount of Oxygen in Rare Earth Metals and their Fluorides. G. G. Glavin and Yu. A. Karpov 388 306
Monitoring of Mold Steel Tubes with a Permeability Probe. M. S. Tseplyaeva 391 309
Analog for the Electric Field of a Linearly Polarizable Electrode. Yu. Ya. Iossel' 393 311
Evaluation of Corrosion Resistance for Porous Cermet Materials. B. F. Shibryaev 395 313
Investigation of the Stability of Austenite in Stainless Steels by a Device Based on the Pondermotive Effect (Exch. of Exp.). Yu. S. Medvedev and T. D. Tomilina . 397 314
Preparation of Lead-Alloy Specimens for Metallographic Investigations (Exchange of Experience). M. A. Bol'shanina and T. F. Elsukova 397 315
The Determination of the Austenite Grain Size in Silicon Steels and Cast Irons (Exchange of Experience). Ya. N. Malinochka and G. Z. Koval'chuk 398 315
Electrolytic Polishing and Etching of Sap Metal (Exchange of Experience). Yu. V. Dmitriev, I. V. Mazurov, and V. I. Ivannikov 399 316
On a Method for Tinning Graphite (Exchange of Experience). V. S. Kogan, A. I. Grivko, B. G. Lazarev, and L. S. Lazareva 400 317
Automatic Control of Temperature in Resistance Furnaces (Exchange of Experience). Yu. V. Erastov 401 317
On the Method for Measuring the Surface Temperature (Exchange of Experience). A. F. Tereshchenko 402 317

MATHEMATICAL METHODS OF ANALYSIS

The PERT System for Planning and Controlling the Processes of Creating New Technical Items. S. P. Nikanorov 403 319
Information-Search Systems for Organic Chemistry. G. É. Vléduts and G. L. Mischenko . . 414 329
The Use of Reference Punch Cards Having Border Perforations Which are Based on the Abstract Journal "Metallurgiya". T. P. Kolesnikova and A. V. Shmeleva 420 334
The Use of Multiple Regression Equations for the Quantitative Study of Heterogeneous Catalysis Processes. V. N. Pisarenko, A. G. Pogorelov, L. A. Novikova, N. G. Ivanova, and N. F. Kononov 422 336
Planning an Experiment in the Technology of Fine-Grained Concrete. V. A. Voznesenskii 424 337

MECHANICAL METHODS OF TESTING

Investigation of Thermal Stresses and Creep Due to the Variation of Temperature. B. F. Shorr and R. A. Tul'nev 427 340
The Effect of Nonuniform Work Hardening in Testing Tubes for Creep. M. P. Markovets and G. A. Stepanov 436 348
The Effect of the Specimen Shape on the Mechanical Properties of Kh18N10T Steel Tubes O. S. Vil'yams, N. M. Mol'shova, and O. V. Oleinik 438 350
Method for Determining the Antifriction Properties of Nonmetallic Materials in a Three-Station Friction Machine. I. A. Fomichev and A. N. Trofimovich 440 351
Determination of the Corrosion Fatigue Strength of Steel under Asymmetric Cyclic Loads. N. I. Kharitonov 443 354
Determination of the Ultimate Tensile Strength of Metallization Layers. M. N. Shchirzhetskii 445 355
Increasing the Gradients of Fringes in Investigating Stresses by Means of Optically Sensitive Coatings. G. L. Khesin and V. N. Sakharov 446 356
Automatic Control of the Diagram during the Low-Temperature Tensile Testing of Single Crystals (Exchange of Experience). G. F. Kuznetsov 448 358
Measurement of Large Strains of Plastics (Exchange of Experience). A. A. Kritsuk 449 359

CONTENTS (continued)

	PAGE ENG.	PAGE RUSS.
The Use of Epoxy Resins for Bonding Strain Gauges Working at Below-Freezing Temperatures and at High Air Humidities (Exchange of Experience). V. N. Eroshenko	450	359
A Stereophotographic Method for Measuring Strains in Flat Models (Exchange of Experience). B. Kafka	451	360

LABORATORY APPARATUS AND TECHNIQUE

	PAGE ENG.	PAGE RUSS.
Device for Obtaining a Brittle Failure of Molybdenum in Various Stressed Conditions. V. D. Yaroshevich	452	361
A Stroboscope for Observing the Growth of Fatigue Cracks. V. É. Pavlovskii	454	363
Rotary Elastoviscosimeters for the Investigation of Polymer Systems. G. V. Vinogradov, I. M. Belkin, A. A. Konstantinov, S. K. Krashennikov, B. A. Rogov, A. Ya. Malkin, and I. V. Konyukh	455	364
Continuously Recording Refractometer. V. A. Kolbasov, I. A. Palitsyna, and E. A. Shibalov	459	367
The Determination of the Distribution of Grain Size in a Sample of a Granular Product from the Dimensions of Particles. S. N. Rudanovskii	461	368
Machine for Fatigue Tests in Agressive Liquid Media in the Elastoplastic Region (Exchange of Experience). V. I. Nikitin and Yu. L. Kononenko	464	371
Programmed Loading Adapter for Fatigue Testing Machines (Exch. of Exp.). R. M. Chatynyan	465	371
Electromagnetic Reversive Switch for TSh and TSh-2 Hardness Testers (Exchange of Experience). T. K. Marinets and V. M. Nikitin	466	372
Use of the TSh Hardness Tester for Tests under Repeated Static Loads (Exchange of Experience). M. S. Tarin and A. S. Malyanov	467	373
A Labyrinth for Trapping Scattered X-Rays (Exchange of Experience). T. N. Tarkhova, V. N. Biyushkin, and L. M. Balakina	467	373
A Capacitive Differential Manometer for Measurement of Small Differences in Pressure (Exchange of Experience). P. E. Suetin and P. V. Volobuev	468	374
Apparatus for Metering of a Liquid in Vacuo (Exchange of Experience). Yu. A. Leikin and A. B. Davankov	470	375
Use of ESN-1 Ion-Sorption Pumps in the MI-1305 Mass Spectrometer (Exchange of Experience). V. M. Yur'ev, A. S. Teleshova, E. L. Aptekar', A. Ya. Ardashnikov, O. Ya. Reznikova, and A. N. Pravednikov	471	375
Setup for X-Ray Analysis at High Temperatures (Exchange of Experience). V. I. Grigorkin	471	376

ORGANIZATION OF LABORATORY WORK AND EXCHANGE OF VIEWS

	PAGE ENG.	PAGE RUSS.
Method of Selecting and Testing Specimens Cut from Helical-Seam Pipes. S. A. Borisenko	473	377

INFORMATION

	PAGE ENG.	PAGE RUSS.
New Machines for Technological Tests. B. L. Smushkovich	476	379
Machines and Devices for Material Testing. O. B. Andreev	480	382
Second Conference on Microhardness. M. Zal'tsman	482	383

REVIEWS AND BIBLIOGRAPHY

	PAGE ENG.	PAGE RUSS.
Spectral Determination of Rare and Trace Elements. T. F. Borovik-Romanova, Yu. I. Belov, Yu. I. Kutsenko, L. I. Pavlenko, E. N. Savinova, and M. M. Farafonov	483	384

MEDICAL JOURNAL
(Lijecnicki Vjesnik)

1963, VOL. 85, NO. 10.

TABLE OF CONTENTS

	Page	Text page
J. Fališevac: Tick-Borne Meningo-Encephalitis in the Socialist Republic of Croatia	1	1077-1084
S. Knežević and A. Hahn: Our Experience in the Treatment of Liver Cirrhosis with Aldosterone Inhibitors	9	1085-1092
E. Najman, Ž. Reiner-Banovac and D. Mikac-Dević: Transaminases and Aldolase in Diagnostics of Childrens Illnesses	18	1095-1104
H. Weisglass: Vaccines in the Prevention of Streptococcoses	28	1105-1115
Z. Horvat, V. Marinšek-Broz and Š. Čičin-Šain: Gastrointestinal Food Allergy under the Clinical Picture of a Malignant Tumor	39	1117-1124
J. Rehak, B. Vurdelja and T. Beritić: Pulmonary Infiltrate with Eosinophilia	47	1125-1130
T. Beritić: Acute Poisoning by Hypnotics and Sedatives	53	1131-1139
A. Dorn: Health Conditions in Vukovar in the 18th Century	63	1141-1149
J. Winkelsberg: Successful Treatment of Rhinolaryngologic Disorders with Suprastin	71	1151-1154
K. Kjurčiev, A. Lazarov and M. Lazarevski: "Baytinal" — An Ultrashort-Acting Narcotic in Artificial Abortions	75	1155-1158
B. Vurdelja: With or Without Analeptics?	79	1159-1161
Z. Ašperger: Placebo an the Clinical Evaluation of Drugs	83	1162-1164

NEW METHODS FOR THE RESTORATION AND PRESERVATION OF DOCUMENTS AND BOOKS
(Novye Metody Restavratsii Knig)

[MOSCOW] n.d.

TABLE OF CONTENTS

Page

List of Abbreviations iv

From the Editor 1

Petrova-Zavgorodnyaya, A.P. and Z.A. Zagulyaeva. The Effect of High-Frequency Electromagnetic Fields on Paper-Destroying Mold Fungi 2

Pravilova, T.A., I.Ya. Solechnik, and G.N. Khodarinova. Effect of a High-Frequency Electromagnetic Field on Paper 8

Petrova-Zavgorodnyaya, A.P. and T.A. Pravilova. Disinfection of Books and Documentary Materials by a High-Frequency Electromagnetic Field 18

Zagulyaeva, Z.A. The Lethal Effect of High-Frequency Currents on Cellulose-Destroying Mold Fungi 22

Belen'kaya, N.G. Methods of Restoration of Books and Documents . 24

Belen'kaya, N.G. and T.N. Strel'tsova. Restoration and Preservation of Books and Documents by Thermoplastic Film Coating. Communication 1. Polyethylene Films 50

Pravilova, T.A. and T.N. Strel'tzova. Types of Paper Suitable for Use in Restoration 62

Pravilova, T.A. Aging of Paper 69

Page

Belen'kaya, N.G. and T.N. Strel'tsova. Application of Methylolpolyamide Glue PFE-2/10 in the Restoration and Seamless Reinforcement of Books and Documents 79

Subbotina, T.M. Condition of Documents Restored by Methods Adopted in the Laboratory for Preservation and Restoration of Documents 86

Erastov, D.P. Control of Operating Conditions in Reproduction Technique for Highlighting Faded Images. Communication 1. Indicators for the Control of Illumination in Photography 96

Erastov, D.P. Beta-Radiographic Method of Reproducing Filigranes from Documents 101

Lyublinskii, V.S. Two Difficult Cases of Restoration of Faded Text 109

Appendix 1. Inspection of the Archives at Various Branches of the Academy of Sciences of the USSR (Z. A. Zagulyaeva) 125

Appendix 2. Restoration of Tracing Paper (Technical Instructions) . . . 127

NONFERROUS METALLURGY
(Izvestiya Vysshikh Uchebnykh Zavedenii. Tsvetnaya Metallurgiya)

1963, VOL. 6, NO. 5.

NONFERROUS METALLURGY

-USSR-

[Following is a cover-to-cover translation of the Russian-language publication Izvestiya Vysshykh Uchebnykh Zavedeniy, Tsvetnaya Metallurgiya (News of the Higher Educational Institutions, Nonferrous Metallurgy), No 5, Ordzhonikidze (published by the North Caucasus Mining-Metallurgical Institute), 1963, pages 1-159.]

CONTENTS Page

Mining and Geology

Regularities of Tungsten and Molybdenum Distribution in the Main Skarn of the Tyrny-Auz Deposit, by L. V. Gorbunov ... 1

Structural-Genetic Regularities of Rare Metal Ore Manifestation, by P. D. Yakovlev ... 9

Determination of the Magnetization of Minerals in Polished Sections and Other Preparations, by G. V. Khetagurov. 19

Determination of the Normal Ratio of Prepared Removal-Ready Ore Reserves, by D. P. Lobanov ... 21

Ore Dressing

Infrared Spectra of Calcite, Scheelite, and Apatite Following Mineral Processing With Flotation Regulators, by Chzhen Yu-lun ... 32

The Effect of Polyvalent Metal Salts on the Flotability of Tantalite-Columbite, Tourmaline, and Garnet, by Yu. F. Gladkikh ... 38

The Use of Hydrosulfite in the Selective Flotation of Polymetallic Ore, by A. G. Lopatin. 44

The Effect of Turpentine Oil-Quartz Contact Time on Filtration, by M. B. Barbin. 51

The Fixing of Oleic Acid on the Surface of Polymolibdite as Observed Through the Electron Microscope, by S. A. Parshenkov ... 58

Metallurgy

A Study of Dust Inflagration Conditions in the Lead Industry, by V. N. Kazakov ... 61

Sorption of the Platinum Group From Sulfate Solutions by the Ionites of Certain Metals, by I. N. Popokov ... 70

Interaction in the System $Na_2O-Al_2O_3-SiO_2-CaO-H_2O$ as a Function of Aluminate Solution Concentrations, by L. P. Ni ... 79

Desilicification of High-Modulus Aluminate Solutions, by A. I. Mokryshev ... 86

A Study of Alumina Surface Temperature in Industrial Aluminum Baths by the Statistical Method, by A. A. Vol'berg ... 95

The Electrochemical Behavior of Oxide-Carbon Anodes of TiO_2 + C in Chloride Melt, by Fan Gu-sin ... 103

Heats of Formation of Cubical Vanadium Carbides, by N. M. Volkova ... 111

Decomposition Potentials of Alkali Metal and Silver Nitrate Melts, by P. I. Protsenko ... 119

Interaction of Niobium and Tantalum Pentoxides With Solutions of Caustic Potash at Temperatures Over 100°, by M. A. Orekhov ... 125

Production of 99.9999%-Pure Gallium by the Method of Fractional Crystallization and Zonal Melting, by E. Papp ... 137

Metallography and Metal Working

The Effect of Alloying on the Thermal Expansion of Niobium, by R. A. Ul'yanov ... 148

Theory of the Continuous Bending of Sections of the Open Polygon Type, by P. I. Polukhin ... 155

Expressions for the Analytic Determination of Fluid Friction Conditions in Drawing, by I. L. Perlin ... 167

Economics and Production

Tantalum-Niobium Resources of the Capitalist Countries, by T. A. Slepneva ... 177

History

Hall and Heroult Centennial, by A. I. Belyaev. 198

Science Chronicle

Conference on the Mechanization of Blasting Operations, by V. V. Medvedev ... 201

All-Union Conference of Aluminum Industry Workers on Electrolyte Composition, by A. I. Belyaev. 205

Criticism and Bibliography

A Review of *Shaft Sinking* by S.G. Borisenko, L.Ya. Tarasov, I.L. Kovalev, Gosgortekhizdat, Moscow, 1962, by N. S. Demin ... 207

JPRS: 26.444

PHYSIOLOGY JOURNAL

(Fiziologichnyi Zhurnal)

1964, VOL. 10, NO. 3

PHYSIOLOGICAL RESEARCH IN THE USSR

[Following is the translation of selected items in the Ukrainian-language periodical Fiziologichnyy Zhurnal (Journal of Physiology), Vol 10, No 3, Kiev, May-June 1964. Specific page numbers appear with each selection. Bibliographic information accompanies some of the articles.]

TABLE OF CONTENTS

	PAGE	Russ. Pages
Universal Device for Input of Physiological Characteristics into an Electronic Computer by K. O. Shkabara ...	1	301-306
An Algorithm for Analyzing the Impulse Activity of Neurons with an Electronic Computer, by M. V. Yarovitskyi	9	308-312
Some Problems of the Adaptation of the Organism to Chronic Oxygen Starvation, by V. I. Voitkevich	16	360-365
Effect of Centimeter- and Meter-Range Electromagnetic Waves on the Content of Biologically Active Substances in Human Blood, by [illegible] L. Revuts'kyi ...	25	379-382
Variability of Primary Evoked Potentials Recorded Unipolarly from the Surface of the Auditory Zone of the Cortex of a Cat in the State of Narcosis, by [illegible] F. Demchnovets'kyi	29	390-392
Origin of the Positive Component of the Evoked Potential of the Tectum Opticum of the Toad, by [illegible] O. Semenyuk	33	392-394

C-312

TABLE OF CONTENTS

PAGE Russ. Pages

Spontaneous Motor Activity in Cats and Its Recording and Alteration After Bilateral Destruction of the Caudate Nuclei, by M. M. Oleshko 37 394-396

Method of Investigating the Electrical Properties of Nerve and Muscle Fibers by Means of Surface Extracellular Electrodes, by D. P. Artemenko ... 41 403-407

Electrometric Amplifier During Use of High-Resistance Glass Microelectrodes, by V. F. Nikitenko ... 48 407-409

Variation in the Method of Inserting Electrodes in Acute and Chronic Experiments, by A. P. Kobernik 52 410-411

Concerning the 1963 Elbrus Expedition of the Institute of Physiology imeni A.A. Bogomolets, Academy of Sciences Ukrainian SSR, Kiev, by M. M. Syrotynin 56 414-418

POLISH ENDOCRINOLOGY
(Endokrynologia Polska)

1963, VOL. 14, NO. 5-6.

CONTENTS

W. Hartwig and B. Migdalska: A Study of Pituitary Reserve of Corticotropin 161

H. Materlik and Z. Piotrowski: A Study of Glomerular Filtration Rate in 34 Subjects with Acromegaly 177

J. Sadowski and *Z. Przezdziecki:* The Effect of ACTH Administration on Urinary 17-KS Output in Post-Partum Hypopituitarism 181

T. Nowakowski and *A. Pacyński:* Hypothyroidism in Children from the Endemic Goiter Area in Lower Silesia 187

R. Mirek and *L. Cybulski:* Clinical Studies in Simpson's Syndrome . . . 190

J. Zieleniewski: The Effect of Adrenal Regeneration on the Ovarian Function of Albino Rats 203

Symposium on the Problems of the Pubertal Period in Girls 207

M. Pawlikowski: Studies on Peripheral Neurosecretion. II Histochemical Comparison of Neurosecretion in the Hypothalamic-Pituitary System and Similar Phenomena in the Peripheral Autonomous Nervous System . . 210

Z. Paszko, A. Gądek and *A. Pronaszko:* Studies on the Determination of Pituitary Gonadotropins. IV Characteristics of the Polish Standard Gonadotropin HMG-PL1 234

N. Hornik: A study of the in Vitro Amberlit IRC-50 Uptake of I^{131}-1-triiodothyronine 245

N. Hornik: Estimation of the in Vitro I^{131}-1-Triiodothyronine Uptake by Amberlite IRC-50 as a Test of Thyroid Function in Children . . . 257

H. Kowalski, J. Doroszewski and *H. Kołdowska:* Determination of Plasma PBI^{131} — A Comparison of Various Analytical Procedures . . . 268

H. Mikołajczyk and *J. Zieleniewski:* The Effect of Somatotropin, Thyrotropin, Corticotropin FSH, Desoxycorticosterone, Cortisone, High-Carbohydrate or High-Protein Diet on the Urinary Excretion of Acid Mucopolysaccharides and 17-ketosteroides in Two Normal Men 274

J. Zieleniewski: The Phenomenon of „Additional" Pregnancy and Labor in Sprague-Dawley Rats 278

N. Bittel-Dobrzyńska, J. Prus, H. Janukowicz-Lorenz, O. Krzyżanowska and *H. Rynkiewicz:* Thyroidal I^{131} Uptake in Dwarfism Syndromes . . 279

J. Einhorn, J. Tenner and *E. Oborska-Jadwiszczak:* The Effect of Thermal Stress on Thyroidal I^{131} Uptake at Different Level of Thyroid Function

H. Szafran: Anorexia Nervosa in the Puberty 291

C-314

POLISH MEDICAL JOURNAL

1964, VOL. 3, NO. 3.

CONTENTS

Page

J. Ottowicz, M. Chvapil, Z. Paradowski: A new method for the determination of the fibrogenic activity of silica dust, test with the frog *(Rana esculenta)* 491
M. Sośnierz, H. Majewski: Pathomorphology of the silicotic spleen 500
B. Rubaj: Morphologic and histochemical changes in the adrenals and other organs of the monkeys *(Macacus rhesus)* after air transport 512
I. Roszkowski, J. Kuczyńska-Sicińska: Morphological changes in the placenta in cases of latent hypertension (preliminary report). 529
L. Rejniak: Histotopochemical studies of nucleic acids and histone content in the liver and thymus of rabbits with experimental hypofunction and hyperfunction of the thyroid 535
M. Beskid: The effect of cobaltous chloride on the organism of the guinea pig with special reference to the liver. 562
J. Bielski, J. Hryniewiecki: Blood clotting after surgical treatment thromboelastographic tracings 602
J. Kobiela, J. Mostowski: Studies on the Gm system in blood donors in Cracow . . . 611
J. Lisiewicz: Experimental studies on the effect of cigarette smoking on the coagulation time of blood and recalcified plasma and on the prothrombin and thrombin time of plasma in humans 617
W. Zahorski: The pathogenetic mechanism of lead intoxication in the light of clinical and experimental investigations 622
K. Jaegermann: Coronary atherosclerosis and blood groups 626
M. Kędra. M. Markiewicz: Critical appraisal of the value of GOT and GPT transaminaze, aldolase and uropepsin determination in the diagnosis of myocardial infraction 634
W. Bross: Treatment of *myasthenia gravis* 646
T. Tołłoczko: Location of parathyroid glands 652
A. Gluszcz: Histologic features of immature supratentorial gliomas *(Glioma immaturum)* 655
W. Cendrowski: An abortive form of neural progressive muscle atrophy in two siblings 669
K. Warecka: Serum glycoprotein fractions in patients with multiple sclerosis. . . . 675
E. Herman, W. Królikowska: Detection of latent myasthenia gravis by means of an ischemic electeomyographic test 681
J. Kościelak, I. Niebrój-Dobosz, K. Warecka: Serum proteins in multiple sclerosis . . . 685
I. Niebrój-Dobosz, I. Hausmanowa-Petrusewicz: Protein, lipoprotein and glycoprotein fractions of blood serum in muscle diseases 689
J. Rosner, B. Baranowska: Amino acid chromatography in psoriasis. 698
A. Czernielewski, D. Brykalski, D. Depczyk: Experimental investigations on the absorption of the radioactive chromium isotope ^{51}Cr through the skin 708
J. Sipowicz: The secretion of uropepsin in women in the third trimester of pregnancy (preliminary report). 719

C-315

POLISH REVIEW OF RADIOLOGY AND NUCLEAR MEDICINE
(Polski Przeglad Radiologii i Medycyny Nuklearnej)

1963, VOL. 27, NO. 6.

CONTENTS

Page

J. Dybicki, T. Mierzejewski, T. Bartoszewicz, M. Narkiewicz: Congenital hypoplasia of the lung 451

K. Ossowska: Pneumomediastinum in the course of acute pulmonary edema 459

S. L. Zgliczyński: The pathogenesis of chronic cor pulmonale 463

S. L. Zgliczyński, K. Orłowska: X-ray diagnosis of chronic cor pulmonale 468

A. Kopyłow, M. Bielecki, K. Dominiczak: The Peutz syndrome 480

J. Gronowski, J. Tubielewicz: An automatic lymphographic injector . . . 489

J Bowkiewicz, W. Furman, W. Słoniewicz, J. Tubielewicz, J. Załuska: Lymphography with oily contrast media 495

S. L. Zgliczyński: New device for compression of the ureters during urography 503

D. Jakubowska: The importance of radiologic examination in the diagnosis of malignant lymphogranulomatosis in children 513

SOVIET PHYSICS JETP VOLUME 19, NUMBER 4 OCTOBER, 1964

CONTENTS

	Page	Russian Reference
Cross Section for Photoproton Emission from Copper. (E) . . . . B. S. Ratner	783	**46**, 1157
Gamma Rays from Radiative Capture of Fast Neutrons in Manganese and Copper. (E) . . . . A. T. Bakov and Yu. A. Kazanskiĭ	787	**46**, 1163
Skin Effect in a High Frequency Ring Discharge. (E) . . . . R. A. Demirkhanov, I. Ya. Kadysh and Yu. S. Khodyrev	791	**46**, 1169
Search for H^5 Among the Products of U^{235} Thermal Neutron Fission. (E) . . . . V. N. Andreev and S. M. Sirotkin	797	**46**, 1178
The Time Variation of Stimulated Emission Intensity in Individual Side Modes. (E) . . . . M. P. Vanyukov, V. I. Isaenko and V. A. Serebryakov	800	**46**, 1182
Investigation of the Time Correlation of Photons Emitted in Ne II Spectral Lines of Separate Neon Atoms Excited by Electron Impact. (E). Yu. F. Skachkov	804	**46**, 1188
Number of Neutrons Emitted by U^{235} Fission Fragments. (E) . . . . V. F. Apalin, Yu. N. Gritsyuk, I. E. Kutikov, V. I. Lebedev, and L. A. Mikaélyan	810	**46**, 1197
The Problem of Magnetic Breakdown in Beryllium. (E). . . . . N. E. Alekseevskiĭ and V. S. Egorov	815	**46**, 1205
Dissociation of H_2^+ Ions on Collision with Gas Atoms and Molecules. (E). . . . . R. N. Il'in, B. I. Kikiani, V. A. Oparin, E. S. Solov'ev, and N. V. Fedorenko	817	**46**, 1208
Ionization Energy Losses of Fast Electrons in Thin Polystyrene Films. (E) . . . . A. I. Alikhanyan, A. K. Val'ter, G. M. Garibyan, I. A. Grishaev, M. P. Lorikyan, V. V. Petrenko, and G. D. Fursov	820	**46**, 1212
Effect of High Pressure on the Superconducting Properties of Zirconium. (E). . . . . N. B. Brandt and N. I. Ginzburg	823	**46**, 1216
Absorption of Slowed Down π^- Mesons in Propane. (E) . . . . V. S. Demidov, V. S. Verebryusov, V. G. Kirillov-Ugryumov, A. K. Ponosov, and F. N. Sergeev	826	**46**, 1220
Magnetic Properties of Lutecium. (E) . . . . V. I. Chechernikov and Iuliu Pop	831	**46**, 1226
Investigation of the Mechanism of Operation of Track Spark Chambers (E) . . . . G. E. Chikovani, V. N. Roĭnishvili, and V. A. Mikhaĭlov	833	**46**, 1228
Estimate of the Muon Neutrino Mass. (E) . . . . O. A. Zaĭmidoroga, M. M. Kulyukin, R. M. Sulyaev, I. V. Falomkin, A. I. Filippov, V. M. Tsupko-Sitnikov, and Yu. A. Shcherbakov	843	**46**, 1240
Pion Production in 650-MeV p-p Collisions. (E). . . . . V. M. Guzhavin, G. K. Kliger, V. Z. Kolganov, A. V. Lebedev, K. S. Marish, Yu. D. Prokoshkin, V. T. Smolyankin, A. P. Sokolov, L. M. Soroko, and Ts'ui Wa-Ch'uang	847	**46**, 1245
One-Meson Exchange and the Asymptotic Behavior of Nucleon Nucleon and Pion Nucleon Scattering. (T). I. A. Kuchin and P. A. Usik	855	**46**, 1257
The Fredholm Method in the Relativistic Scattering Problem. (T). . . . . B. A. Arbuzov, A. A. Logunov, A. T. Filippov and O. A. Khrustalev	861	**46**, 1266
Recombination Coefficient in a Dense Low Temperature Plasma. (T) . . . . A. V. Gurevich and L. P. Pitaevskiĭ	870	**46**, 1281
On the Possibility of a Geometric Interpretation of the Weak Interactions of Leptons. (T) . . . . B. A. Arbuzov	872	**46**, 1285
Four and Five Particle Production in High Energy Collisions. (T). . . . . I. A. Verdiev, A. M. Popova and K. A. Ter-Martirosyan	878	**46**, 1295
Three-Particle Production Near Threshold with Resonance Interaction of Two Particles. (T) . . . . V. V. Anisovich and L. G. Dakhno	886	**46**, 1307
An Estimation of the Cross Section for Photoproduction of a Pair of Vector Bosons. (T). . . . . G. I. Kopylov, I. V. Polubarinov, and G. L. Semashko	894	**46**, 1320
Theory of the Interaction Between Charged Particles and a Nonequilibrium Plasma. (T). . . . . I. A. Akhiezer and Yu. L. Bolotin	902	**46**, 1331
Transition Radiation from a Uniformly Moving Charge Crossing a Diffuse Boundary Between Two Media. (T) . . . . A. A. Galeev	904	**46**, 1335
Magnetoacoustic Dimensional Effects in a Metal Plate. (T) . . . É. A. Kaner and V. L. Fal'ko	910	**46**, 1344
Nonlinear Effects in Antiferromagnets. "Latent" Antiferromagnetism. (T) . . . . I. E. Dzyaloshinskiĭ and V. I. Man'ko	915	**46**, 1352
Deformation Cooling. (T). U. Kh. Kopvillem and V. R. Nagibarov	920	**46**, 1360
Ferromagnetism in Superconducting Alloys. (T) . . . . L. P. Gor'kov and A. I. Rusinov	922	**46**, 1363

(Contents continued on inside back cover)

CONTENTS—continued

Page — Russian Reference

Optical Model for Antinucleon-Nucleon Collisions. (T) . . . P. É. Nemirovskiĭ and Yu. F. Strokov 932 46, 1379
Gyroscope Motion in Theories of Gravitation. (T) . . . V. I. Pustovoĭt and A. V. Bautin 937 46, 1386
Double Bremsstrahlung in the Case of Almost Collinear Momenta. (T) . . . L. G. Zazunov and P. I. Fomin 941 46, 1392
Photodisintegration of H^3 with Account of the Hard Core of the Nucleon. (T) . . . V. N. Fetisov 943 46, 1395
Propagation of Electromagnetic Waves in a Medium with Strong Dielectric-Constant Fluctuations. (T) . . . V. I. Tatarskiĭ 946 46, 1399
Intensity Effects in Compton Scattering. (T) . . . I. I. Gol'dman 954 46, 1412
Absence of $\eta \rightarrow 2\pi$ Decays and Conservation of Spatial and Combined Parities. (T) . . . I. Yu. Kobzarev and L. B. Okun' 958 46, 1418
Theory of Helicoidal Structures in Antiferromagnets. I. Nonmetals. (T) . . . I. E. Dzyaloshinskiĭ 960 46, 1420
Theory of a Ferromagnetic Fermi Fluid. (T) . . . P. S. Kondratenko 972 46, 1438
Properties of Rotating Liquid He in the Vicinity of the Lambda Point. (T) . . . A. F. Andreev 983 46, 1456
Scattering of Thermal Neutrons by Polarized Nuclei of a Ferromagnet. (T) . . . G. A. Kharadze 986 46, 1461
On the Lower Critical Field of Thin Layers of Superconductors of the Second Group. (T) . . . A. A. Abrikosov 988 46, 1464
The Interaction Between Ultrahigh Energy Cosmic Rays and Neutrinos in the Universe. (T) . . . B. P. Konstantinov and G. E. Kocharov 992 46, 1470

BRIEF COMMUNICATIONS

The Reaction (d, α) on B^{11} and O^{16} at a Deuteron Energy 6.6 MeV. (E) . . . K. A. Gridnev, A. E. Denisov, Yu. A. Nemilov, V. S. Sadkovskiĭ, and E. D. Teterin 994 46, 1473
The Reactions (p, pn) and (p, n) on Sc^{45} Induced by High Energy Protons. (E) . . . Jen Te-hou, I. Levenberg, V. Pokrovskiĭ, L. Tarasova, and I. Yutlandov 995 46, 1475
Isomeric Transition Multipolarity in the $_{58}Ce^{138}$ Nucleus. (E) . . . Yu. N. Rakivnenko, E. A. Skakun, G. I. Yatsenko, and A. P. Klyucharev 996 46, 1476
Half Lives of the Ground and Isomeric States of Lu^{174}. (E) . . . V. A. Balalaev, B. S. Dzhelepov, A. I. Medvedev, A. Meshter, and I. F. Uchevatkin 998 46, 1478
High Energy Gamma Transitions in Ga^{72} Decay. (E) . . . V. D. Vitman, B. S. Dzhelepov, and Yu. N. Podkopaev 999 46, 1479
Yield of Photoprotons from Calcium. (E) . . . B. S. Ratner 1000 46, 1480
Spin of the 1360-keV Level of Sm^{150}. (E) . . . V. Cojocaru and M. Petrascu 1001 46, 1481
The Reactions (n, 2n) on $Sn^{112,124}$ and (n, p) on $Sn^{112,117}$ at 14.1 MeV. (E) . . . A. P. Klyucharev, V. V. Ushakov, and G. P. Chursin 1002 46, 1483
Photoprotons from Calcium. (E) . . . B. S. Ishkhanov, I. M. Kapitonov, E. N. Kornienko, V. G. Shevchenko, and B. A. Yur'ev 1003 46, 1484
Resonance Scattering of Gamma Quanta by Ce^{140} Nuclei. (E) . . . R. B. Begzhanov and A. A. Islamov 1005 46, 1486
Cross Section for the Reaction $C^{13}(\gamma, p)B^{12}$. (E) . . . V. P. Denisov, A. V. Kulikov, and L. A. Kul'chitskiĭ 1007 46, 1488
Radiation of Pd^{100}. (E) . . . N. M. Anton'eva, M. K. Nikitin, and V. B. Smirnov 1008 46, 1490
Study of the (γ, p) Reaction in Carbon. (E) . . . G. G. Taran and A. N. Gorbunov 1010 46, 1492
Neutron Polarization in $B^{11}(d, n)C^{12}$, C^{12*} Reactions. (E) . . . V. A. Smotryaev and I. S. Trostin 1012 46, 1494
Total Neutron Cross Sections for Lead Isotopes. (E) . . . Yu. V. Dukarevich, A. N. Dyumin, and D. M. Kaminker 1013 46, 1496
Photoneutrons from Li^6 and Co^{59}. (E) . . . E. B. Bazhanov, A. P. Komar, and A. V. Kulikov 1014 46, 1497

LETTERS TO THE EDITOR

The Phase Structure of the Output Beam of a Ruby Laser. (E) . . . N. G. Bondarenko, I. V. Eremina, and V. I. Talanov 1016 46, 1500
The Asymptotic Meson Nucleon Scattering Amplitude. (T) . . . N. N. Meĭman 1018 46, 1502
Study of the Decay of the K_2^0 Meson Into Three Neutral Pions. (E) . . . A. S. Aleksanyan, A. I. Alikhanyan, A. M. Gal'per, R. L. Kavalov, V. G. Kirillov-Ugryumov, L. P. Kotenko, L. A. Kuzin, E. P. Kuznetsov, and G. I. Merzon 1019 46, 1504
Investigation of the Temperature Dependence of the Saturation Magnetization of Gd. (E) . . . V. E. Rode, R. Herrmann, and L. M. Korolev 1021 46, 1507
Optical Excitation of Semiconductors. (T) . . . N. G. Basov and O. N. Krokhin 1022 46, 1508
Superfluidity of He^3. (E) . . . V. P. Peshkov 1023 46, 1510

SOVIET PHYSICS JETP VOLUME 19, NUMBER 5 NOVEMBER, 1964

CONTENTS

	Page	Russian Reference
Alpha Decay of Pu^{241}. (E) B. S. Dzhelepov, R. B. Ivanov, and V. G. Nedovesov	1027	46, 1517
A Study of "Young" High-energy Electron-photon Air Showers. (E) Kh. P. Babayan, N. G. Boyadzhyan, N. L. Grigorov, É. A. Mamidzhanyan, Ch. A. Tret'yakova, and V. Ya. Shestoperov	1032	46, 1525
On Contradictory Results of Measurement of the (γ, n)-Reaction Cross Section for Lead. (E) M. M. Dorosh, A. M. Parlag, V. A. Shkoda-Ul'yanov, and L. A. Shabalina	1042	46, 1540
Decay Characteristics of Dysprosium Compound Nuclei with High Angular Momentum. (E) G. Kumpf and V. A. Karnaukhov	1045	46, 1545
Kinetics of Growth of the Meniscus of a Rotating Liquid. (E) Dzh. S. Tsakadze	1050	46, 1553
The Energy Spectrum and Total Number of X-ray Photons in Extensive Cosmic-ray Air Showers. (E) G. A. Bazilevskaya, A. F. Krasotkin, and A. N. Charakhch'yan	1052	46, 1556
Determination of the Total Number of Nuclear Interacting Particles in Extensive Air Showers with 3×10^3 to 10^7 Particles. (E) T. V. Danilova, E. V. Denisov, and S. I. Nikol'skiĭ	1056	46, 1561
Search for Interference Between Neutron Resonance Capture and Potential Capture in the 4.9-eV Resonance for Gold Nuclei. (E) D. Dorchoman, B. Kardon, D. Kish, and G. Samosvat	1067	46, 1578
Production of $\Lambda(\Sigma^0)$ Hypersons and K^0 Mesons in Interactions Between 7 GeV π^- Mesons and Carbon. (E) V. A. Belyakov, A. V. Boyadzhiev, Wang Yung-ch'ang, V. I. Veksler, N. M. Viryasov, Kim Hi In, E. N. Kladnitskaya, A. A. Kuznetsov, V. M. Mal'tsev, Nguyen Dinh Tu, V. N. Penev, and M. I. Solov'ev	1073	46, 1586
Investigation of the Magnetization of Iron, Cobalt, and Nickel at Low Temperatures. (E) V. E. Rode and R. Herrmann	1081	46, 1598
Specific Heat of Anhydrous Ferrous Chloride at Low Temperatures. (E) M. O. Kostryukova	1084	46, 1601
Formation of Negative Aluminum, Gallium, Indium and Thallium Ions on the Capture of Electrons by Molecules of Halides of these Elements. (E) V. I. Khvostenko and A. Sh. Sultanov	1086	46, 1605
Possible Methods of Studying Interference Between Coulomb and Nuclear Scattering in the Elastic Collision of Particles of Energy $> 10^{10}$ eV. (E) V. A. Nikitin, V. A. Sviridov, L. N. Strunov, and M. G. Shafranova	1088	46, 1608
Resonance Charge Exchange of Negative Alkali Metal Ions. (E) Yu. F. Bydin	1091	46, 1612
Superconductivity of an Electron System with Singlet or Triplet Pairs. (T) S. V. Vonsovskiĭ and M. S. Svirskiĭ	1095	46, 1619
Large Deformations of Nuclei in the Anisotropic Oscillator Model. (T) V. A. Belyakov	1103	46, 1632
A Quadruplet Classification of Particles. (T) R. V. Smirnov	1107	46, 1637
Relaxation Time in a Two-temperature Mixture of Classical Gases. (T) K. P. Gurov	1110	46, 1641
Hypernuclei with Two Λ Particles and their Decay. (T) N. I. Kolesnikov and R. V. Vedrinskiĭ	1115	46, 1648
Structure of Shock Waves in a Plasma. (T) B. A. Tverskoĭ	1118	46, 1653
Internal Conversion Coefficients for Highly Forbidden Gamma Ray Transitions. (T) L. A. Borisoglebskiĭ	1125	46, 1664
Hydrodynamics of Rotating Helium II in an Annular Channel. (T) M. P. Kemoklidze and I. M. Khalatnikov	1134	46, 1677
Nuclear Magnetic Moments. (T) A. B. Migdal	1136	46, 1680
Complex Asymptotic Expressions for the Amplitudes of Inelastic Processes and Singularities in the Angular Momentum Plane. (T) I. A. Verdiev, O. V. Kancheli, S. G. Matinyan, A. M. Popova, and K. A. Ter-Martirosyan	1148	46, 1700
Photoproduction of Electron and Muon Pairs on Electrons. (T) G. I. Kopylov, L. A. Kulyukina, and I. V. Polubarinov	1158	46, 1715
A General Relation in the Theory of the Ferromagnetic Fermi Liquid. (T) I. E. Dzyaloshinskiĭ	1163	46, 1722
Radiation of Transverse Electromagnetic Waves Due to Scattering of Charged Particles by Plasma Waves. (T) A. Gaĭlitis and V. N. Tsytovich	1165	46, 1726

(Contents continued on inside back cover)

CONTENTS—continued

Page — Russian Reference

The Principle of Correspondence in the General Theory of Relativity. (T) . . . . H. Keres 1174 46, 1741
The Wave Equation and Magnetic Moment of Spin 2 Particles. (T). . . . . . V. S. Tumanov 1182 46, 1755
Polarization of Electrons in an Inhomogeneous Magnetic Field. (T). . . . . . S. S. Sannikov 1186 46, 1761
Theory of Bremsstrahlung in the Presence of a Medium. (T) . . . . I. V. Andreev 1188 46, 1764
Quantum Processes in the Field of a Plane Electromagnetic Wave and in a Constant Field (T). . . . . A. I. Nikishov and V. I. Ritus 1191 46, 1768
Capture of μ-Mesons by the B^{10} Nucleus. (T) . . . . G. M. Bukat and N. P. Popov 1200 46, 1782
On the Domain Structure of Uniaxial Ferromagnets. (T) . . . . Jan Kaczér 1204 46, 1787
Invariant Expansions of Relativistic Amplitudes. (T) . . . . N. Ya. Vilenkin and Ya. A. Smorodinskiĭ 1209 46, 1793
Quantum Theory of the Propagation of Electromagnetic Waves in Metals in a Magnetic Field. (T) . . . . V. G. Skobov and É. A. Kaner 1219 46, 1809
Propagation of Magnetoplasma Waves in a Bismuth Plate. (T) . . . . L. A. Fal'kovskiĭ 1226 46, 1820
The Thermal Conductivity of the Intermediate State in Superconductors. (T). . . . . A. F. Andreev 1228 46, 1823
Group Properties of Complex Angular Momentum. (T) V. S. Popov and É. I. Dolinskiĭ 1232 46, 1829
Muon Capture by Polarized Nuclei with Spin ½. (T) . . . . A. P. Bukhvostov and N. P. Popov 1240 46, 1842
On the Structure of Collective Excitations of Spherical Nuclei. (T) . . . . V. G. Zelevinskiĭ 1247 46, 1853
Calculation of the Fluctuation of the Total Number of Muons in an Extensive Air Shower (T). . . . . L. G. Dedenko 1251 46, 1859
Gamma and X-radiation Connected with Galactic and Metagalactic Cosmic Rays. (T) . . . . V. L. Ginzburg and S. I. Syrovat-skiĭ 1255 46, 1865
Theory of Nonstationary Finite-amplitude Waves in a Low-density Plasma. (T) . . . . Yu. A. Berezin and V. I. Karpman 1265 46, 1880
Weak Interactions at High Energies. (T). . . . . M. P. Rekalo 1272 46, 1891

BRIEF COMMUNICATIONS

Angular Correlation Between Multiple Produced Fragments. (E). . . . . P. A. Gorichev, O. V. Lozhkin, and N. A. Perfilov 1276 46, 1897
Inelastic Scattering of Deuterons by Several Even Tin Isotopes. (E) . . . . O. F. Nemets, F. Picard, and V. V. Tokarevskiĭ 1277 46, 1898
Elastic Scattering of Deuterons by Strontium and Tin Isotopes. (E). . . . . O. F. Nemets, F. Picard, L. I. Slyusarenko, and V. V. Tokarevskiĭ 1279 46, 1900
Multiple Scattering of 75–200 keV Protons in Solid Substances. (E) . . . . A. A. Bednyakov, V. N. Dvoretskiĭ, I. A. Savenko, and A. F. Tulinov 1280 46, 1901
Elastic Scattering of Protons by Tritium at Energies Below the Threshold of the (p, n) Reaction. (E). . . . . . . Yu. G. Balashko, I. Ya. Barit, L. S. Dul'kova, and A. B. Kurepin 1281 46, 1903
Photoneutron Spectra of Platinum, Bismuth, Lead, and Uranium. (E) . . . Yu. Ya. Glazunov, M. V. Savin, I. N. Safina, É. F. Fomushkin, and Yu. A. Khokhlov 1284 46, 1906
Investigation of the Composition of Primary Cosmic Radiation by Observation of Cerenkov Radiation Fluctuations in Extensive Air Showers. (E). . . . . N. M. Nesterova and S. I. Nikol'skiĭ 1285 46, 1908
Study of the Reaction $In^{115}(p, p\pi^+)$. (E) . . . . V. N. Rybakov and N. S. Mal'tseva 1287 46, 1911
Spin Correlations in Neutrino and Antineutrino Scattering by Electrons. (T). . . . . B. K. Kerimov and Yu. I. Romanov 1288 46, 1912

LETTERS TO THE EDITOR

Particle Losses and Configuration of a Plasma Jet Moving in a Curvilinear Magnetic Field (E). . . . . G. M. Batanov, M. A. Ivanovskiĭ, I. S. Shpigel' 1290 46, 1915
The Question of the Possible Existence of a Heavy Charged Lepton. (T). . . . . E. M. Lipmanov 1291 46, 1917
Transfer of a Negative Muon from a Proton to Carbon. (E) . . . . V. G. Zinov, A. D. Konin, and A. I. Mukhin 1292 46, 1919
Concerning the Interaction Between the Special Dielectric and Magnetic Properties in "Ferroelectric Magnets". (E) . . . . Yu. Ya. Tomashpol'skiĭ, Yu. N. Venevtsev, and G. S. Zhdanov 1294 46, 1921
Magnetic Change of the Resistance of Ferromagnets. (E) . . . . I. K. Kikoin and T. N. Igosheva 1296 46, 1923
Thermal Conductivity of Solid He^4. (E) . . . . L. P. Mezhov-Deglin 1297 46, 1926

SOVIET PHYSICS JETP VOLUME 19, NUMBER 6 DECEMBER, 1964

CONTENTS

Page Russian Reference

Polarization of Cosmic Ray Muons at Different Energies. (E) . . . . T. L. Asatiani, V. M. Krishchyan, and R. O. Sharkhatunyan 1299 46, 1929
Paramagnetic Relaxation in $K_3(Fe, Co)(CN)_6$ at Temperatures from 0.1 to 4.2°K. (E) . . . . A. M. Prokhorov and V. B. Fedorov 1305 46, 1937
The Streamer Chamber. (E). . . . . . . B. A. Dolgoshein, B. I. Luchkov, and B. U. Rodionov 1315 46, 1953
Anisotropy of the Mössbauer Effect in Single Crystals of β-Sn and Cassiterite (SnO_2). (E) . . . . V. G. Shapiro and V. S. Shpinel' 1321 46, 1960
Elastic Scattering of 6.2-GeV Protons by Deuterons. (E). . . . . Z. M. Zlatanov, Kh. M. Kanazirski, L. D. Mincheva, and L. G. Khristov 1324 46, 1964
Pion Resonances Accompanying Strange Particle Production in 7.5-GeV π^--p Interactions. (E) V. A. Belyakov, V. I. Veksler, N. M. Viryasov, E. N. Kladnitskaya, G. I. Kopylov, ... A. Mihul, V. N. Penev, E. S. Sokolova, and M. I. Solov'ev 1326 46, 1967
Investigation of the Galvanomagnetic Properties of Pd. (E) . . . . N. E. Alekseevskiĭ, G. Ė. Karstens, and V. V. Mozhaev 1333 46, 1979
Magnetocrystalline Anisotropy of Hexagonal Ferrite Single Crystals of the $BaCo_xFe_{2-x}W$ System. (E) . . . . T. M. Perekalina and A. V. Zalesskiĭ 1337 46, 1985
Shower Efficiency of Spark Chamber. (E). . . . . V. N. Bolotov and M. I. Devishev 1340 46, 1990
The Mössbauer Effect in Binary Tin Compounds. (E) . . . . V. A. Bryukhanov, N. N. Delyagin, R. N. Kuz'min, and V. S. Shpinel' 1344 46, 1996
Magnetic and Magnetoelastic Properties of a Metamagnetic Iron-rhodium Alloy. (E) . . . . A. I. Zakharov, A. M. Kadomtseva, P. Z. Levitin, and E. G. Ponyatovskiĭ 1348 46, 2003
Multiquantum Transitions in the Radio Frequency Range. (E/T) . . . . D. N. Klyshko and V. P. Yarygin 1354 46, 2011
Cross Section Ratio for Formation of the Isomer Pair $Sc^{44,44m}$ from Direct-interaction Reactions with Heavy Ions. (E). . . . . . V. A. Fomichev, B. A. Gvozdev, and V. V. Bredel' 1359 46, 2017
Study of the Reaction $\pi^- + Xe \rightarrow \pi^- + \pi^0 + Xe$ for 9-BeV/c Primary π^- Mesons. (E) . . . . I. M. Gramenitskiĭ, I. A. Ivanovskaya, T. Kanarek, L. S. Okhrimenko, A. Prokes, and . . . . L. A. Tikhonova 1363 46, 2023
Concerning the Fermi Surface of Tin. (E) . . . . V. F. Gantmakher 1366 46, 2028
Quantum Oscillations of the Quasistatic Conductivity of Bismuth in a Magnetic Field. (E) . . . . E. P. Vol'skiĭ 1371 46, 2035
Catalysis of the $d + d \rightarrow He^3 + n$ Fusion Reaction by Negative Muons. (E) . . . . V. P. Dzhelepov, P. F. Ermolov, Yu. V. Katyshev, V. I. Moskalev, V. V. Fil'chenkov, and . . . . M. Friml 1376 46, 2042
Centrally-symmetric Einstein Spaces and Birkhoff's Theorem. (T). . . . . A. P. Ryabushko 1379 46, 2046
Geometrical Optics of Elementary Particles. (T). . . . . D. Blokhintsev 1382 46, 2049
Reflection of "Zero Sound" from a Rigid Wall. (T) . . . . A. N. Shaanova 1384 46, 2052
Some Properties of Cascade Decay. (T). . . . . G. I. Kopylov 1391 46, 2063
Vibration-rotation Interaction in Deformed Nuclei. (T). . . . . Yu. N. Devyatko, V. V. Lomonosov, and M. G. Urin 1396 46, 2070
Surface Nucleon Stripping Reactions. (T) . . . . V. M. Strutinskiĭ 1401 46, 2078
Theory of the Nernst-Ettingshausen Effect in Ferromagnetic Metals. II. (T) . . . . E. I. Kondorskiĭ 1406 46, 2085
Phase Transition in Superconductors. (T). . . . . É. G. Batyev, A. Z. Patashinskiĭ, and V. L. Pokrovskiĭ 1412 46, 2093
On the Choice of Propagators for Vector Fields. (T) . . . . V. I. Ogievetskiĭ and I. V. Polubarinov 1418 46, 2102
The Optical Theorem for Scattering of Particles with Arbitrary Spins. (T). . . . . P. Winternitz 1422 46, 2108
The Four Body Problem at Low Energies. (T) . . . . V. V. Komarov and A. M. Popova 1425 46, 2112
Interaction Between Waves in Stimulated Raman Scattering. (T). . . . . V. T. Platonenko and R. V. Khokhlov 1435 46, 2126
Fermion Regge Poles in Processes Involving Vectons. (T) . . . . V. G. Gorshkov, M. P. Rekalo, and G. V. Frolov 1439 46, 2132

(Contents continued on inside back cover)

CONTENTS—continued

	Page	Russian Reference
Energy Spectrum and Composition of Cosmic Rays of Galactic and Metagalactic Origin. (T) . . . . . Yu. A. Fomin and G. B. Khristiansen	1445	46, 2141
Interaction Cross Section and Fraction of Energy Conserved by a Nucleon Colliding with Complex Nuclei. (T) . . . . . A. M. Lebedev, S. A. Slavatinskiĭ, and B. V. Tolkachev	1452	46, 2151
Nonlinear Effects in an Inhomogeneous Plasma. (T) . . . . . V. P. Gil'denburg	1456	46, 2156
Impurity Atoms in Lattices with Optical Oscillation Modes. Mössbauer Effect. Infrared Absorption. (T) . . . . . Ya. A. Iosilevskiĭ and Yu. Kagan	1462	46, 2165
Determination of the Parameters and Phase Shifts of Low-energy πN Scattering. (T) . . . . . V. F. Pleshakov	1474	46, 2183
Effect of Collective Excitations on the Electrodynamics of Superconductors. (T) . . . . . A. I. Larkin	1478	46, 2188
Regge Poles in the Vector-meson Production Amplitude. (T) . . . . . A. V. Berkov, Yu. P. Nikitin, and M. V. Terent'ev	1487	46, 2202
Interaction of Longitudinal and Transverse Waves in a Plasma. (T) . . . . . L. M. Kovrizhnykh and V. I. Tsytovich	1494	46. 2212
A Possible Method of Determining the Magnetic Moment of the Σ^+ Hyperon. (T) . . . . . V. I. Lyuboshitz and M. I. Podgoretskiĭ	1500	46, 2221
Nonlinear Effects in the Electrodynamics of Superconductors. (T) . . . . . A. I. Rusinov and E. A. Shapoval	1504	46, 2227

BRIEF COMMUNICATIONS

	Page	Russian Reference
New Data on the Excited Levels of W^{182}. (T) . . . . . L. N. Kondrat'ev and E. F. Tret'yakov	1512	46, 224
Mean Energy of the β-Spectrum of Pr^{142}. (T) . . . . . E. I. Biryukov, Yu. S. Martynov, V. T. Novikov, and N. S. Shimanskaya	1514	46, 2242

LETTERS TO THE EDITOR

	Page	Russian Reference
α-Particle Spectrum from Ternary Spontaneous Fission of Cm^{244}. (T) . . . . . N. A. Perfilov, Z. I. Solov'eva, and R. A. Filov	1515	46, 2244
Isotropic Discharge Chamber for Recording Tracks of Relativistic Charged Particles. (T) . . . . . M. M. But-slov, V. I. Komarov, and O. V. Savchenko	1516	46, 2245
The Origin of Turbulence. (T) . . . . . A. A. Vedenov and Yu. B. Ponomarenko	1518	46, 2248
Author Index	1520	46, 2251
Subject Index	1546	46, 2269

TRANSACTIONS OF THE JAROSLAV CERNI INSTITUTE FOR DEVELOPMENT OF WATER RESOURCES
(Institut za Vodoprivredu "Jaroslav Cerni". Saopstenja)

1964, VOL. 11, NO. 30.

TABLE OF CONTENTS

	Page	Text page
BATA GEZA		
UNSTEADY FLOW PHENOMENA IN THE APPROACH CHANNEL OF PERUČICA POWER PLANT — — — — — — — — — —	5	5-13
LAZAR JOVANOVIĆ		
CERTAIN PROBLEMS IN THE CONSTRUCTION OF MODELS AND EQUIPMENTS FOR TEST LOADING — — — — — — — — —	15	15-19
DUŠAN MILOVANOVIĆ		
ULTIMATE TESTS ON LARGE SCALE CONCRETE MODELS TO DETERMINE THE SAFETY FACTOR AND ALLOWABLE STRESSES IN DAM BUTTRESSES	19	21-29
DIMITRIJE MARJANOVIĆ		
LAND RECLAMATION IN THE NERETVA DELTA — — — — — —	27	31-51
DRAGUTIN MUŠKATIROVIĆ		
GENERALIZATION OF LIN'S METHOD FOR COMPUTATION OF UNSTEADY FLOW IN OPEN CHANNELS BY THE METHOD OF CHARACTERISTICS —	47	53-5
DUŠAN BABAC		
ANALYSIS OF PROBLEMS OF SANATION OF SUPPLY CHANNELS OF THE GAJ PUMP STATION — — — — — — — — — —	53	59-65
A REVIEW OF THE FIELD WORKS — — — — — — — — — —	59	62-72
A REVIEW OF THE WORKS OF THE JAROSLAV ČERNI INSTITUTE FOR DEVELOPMENT OF WATER RESOURCES FOR THE YEAR 1963 — — —	65	73-98

TRANSACTIONS OF THE JAROSLAV CERNI INSTITUTE FOR DEVELOPMENT OF WATER RESOURCES
(Institut za Vodoprivredu "Jaroslav Cerni". Saopstenja)

1964, VOL. 11, NO. 31.

TABLE OF CONTENTS

	Page	Text page
Branislav KUJUNDŽIĆ, *Živorad* RADOSAVLJEVIĆ and *Bratislav* ČOLIĆ THE METHODS AND RESULTS OF GEOTECHNICAL INVESTIGATIONS AT THE SITE OF THE PROPOSED ĐERDAP HYDROELECTRIC POWER PLANT	5	1-16
Vlatko BRČIĆ and *Lazar* JOVANOVIĆ MODEL TESTING TO THE SOLUTION OF HYDROTECHNICAL STRUCTURAL PROBLEMS	19	17-29
Vojislav VUKMIROVIĆ, *Anton* FILIP, *Petar* TODOROVIC and *Radivoje* VUKOTIĆ RADIOACTIVE TRACERS IN STUDYING BED LOAD MOVEMENTS	31	31-38
Dragutin MUŠKATIROVIĆ NONSTEADY CHANGES OF DISCHARGE DUE TO ĐERDAP HYDROELECTRIC POWER PLANT OPERATION	39	39-48
Dušan BABAC ELECTRIC MODEL TESTS TO DETERMINE FILTRATION ACROSS A CELLULAR COFFERDAM AND ACROSS AN EARTH WITH DAM SHEET PILING IN THE MIDDLE	47	49-53
Nastasija AŠKOVIĆ HYDRAULIC INVESTIGATIONS FOR THE ĐERDAP NAVIGATION LOCK	51	55-62
Nikola PLAMENAC PROBLEMS OF SATURATED CLAY SOIL IN THE SITNICA RIVER VALLEY (KOSOVO) AND RECLAMATION POSSIBILITIES THROUGH DRAINAGE OF GROUND AND SURFACE WATERS	59	63-73

AUTHOR INDEX

Author Page
Abramov, F. A. 265
Abramov, V. I. 289
Accardo, A. 231
Adachi, Y. 311
Adrashnikov, S. N. 235
Afanas'ev, S. G. 306
Agamennone, M. 280
Agatova, A. I. 259
Aida, T. 246
Ainshtein, V. G. 278
Akhmedov, M. A. 291
Akhrem, A. A. B-13
Alad'ev, M. A. 316
Alamdarov, R. 290
Alderisio, A. 304
Aleksandrov, B. A. 267
Aleksandrovskaya, M. M. 226
Alkhutova, L. M. 229
Allakhverdieva, R. A. 265
Almasi, L. 259
Al'nikov, G. P. 239
Althof, W. 308
Ammann 276
Ammosov, I. I. 294
Anan'eva, L. A. 295
Ando, K. 237
Ando, S. 279
Andreev, E. V. 235
Andreeva-Galanina, E. Ts. B-13
Andreeva, I. S. 223
Andrich 276
Andrievskii, A. I. 315
Angerer, A. 292
Anokhina, Yu. V. 240
Antipin, L. N. 276
Araldi, M. 299
Arcozzi, A. 299
Aristovskii, V. M. 235
Arkhangel'skii, L. N. 271
Arkulis, G. E. B-13
Aron, M. 226
Arshinov, A. A. 315
Artamonova, V. A. 233
Artismovich, L. A. B-13
Artsybashev, V. A. 270
Asai, M. 254
Asano, E. 304
Astakhova, T. V. 268
Avakyan, A. G. 233
Aver'yanova, L. L. 237
Avramenko, L. I. 259
Baba, S. 244
Babich, V. M. B-13
Babykin, M. V. B-13
Bachmair, A. 304
Bagaryatskii, Yu. A. 308
Bagramyan, E. R. 248
Baikova, V. S. 248
Bailleul, G. 285
Bak, E. 290
Bakala, E. 310
Balasinski, W. 318
Balatre, P. 229, 242
Balloffet, G. 315
Bandurina, L. A. 243
Baraboi, V. A. 229
Barakina, N. F. 249
Baranovska, I. A. 252
Bariety, M. 242
Baron, W. 276
Barreto Gomes, E. 243
Barskii, I. Ya. 249
Bartenev, G. M. 293
Bartl, H. 298
Basilewsky, A. 277
Baudin, J. 296
Bauer, E. N. 242
Bayer, E. 230
Bayer, O. 298
Bazardzhyan, A. G. 240
Bazin, S. 247
Bednarska, A. 291
Beier, T. V. 226

Author Page
Beilin, M. I. 277
Belenkii, M. L. 242
Belevtsov, G. A. 306
Belikov, M. P. 313
Belikov, P. E. 310
Bell, A. 299
Bellen, Z. 253
Belobragina, G. V. 238
Belocq, G. Ph. 240
Bel'skaya, I. K. 317
Bel'skii, V. L. 271
Belyaev, A. A. 286
Belyakova, P. E. 317
Benacerraf, B. 243
Beneslavskii, S. I. 267
Benoit, J. 226
Beresnev, B. I. 302
Berestnev, V. A. 295
Berkengeim, G. B. 244
Bernshtein, M. L. 305
Bershova, O. I. 233
Berzin', V. K. 238
Besov, O. V. 300
Bestian 259
Bibikova, A. F. 238
Bilous, A. M. 230
Binet, L. 238
Biozzi, G. 243
Birshtein, T. M. 230
Bizard, G. 243
Blaas, H. 303
Blagodatskaya, G. I. 251
Blagovidov, I. F. 294
Blagovolin, N. S. 267
Blanpin, O. 228
Blaszkowska, Z. 252
Blöch, R. 310
Bodalev, A. A. B-13
Boegehold, H. 315
Bogdanov, L. A. 295
Bogdanova, I. P. 314
Bogovarova, N. N. 308
Bokser, Ya. A. 238
Bonet-Maury, P. 243
Booth, R. H. 289
Boquet, P. 226
Borgayrev, P. M. 280
Borisenko, V. G. 305
Borisov, V. 226
Borisova, L. N. 235
Borkowski, M. P. 285
Borodavkin, P. P. 270
Borovaya, M. S. 294
Borutskii, E. V. 251
Boulanger, C. 305
Bovet, D. 235, 243, 248
Bovet, F. 243
Brandt, B. B. 253
Bratzler, K. 285
Braun, W. 252
Breido, I. I. 225
Brestkin, M. P. 246
Brochtyanu, E. 241
Brodskii, V. Ya. 230
Broit, S. M. 305
Bron, V. A. 305
Bronin, S. V. 306
Browaeys, J. 236
Bru, A. 226
Bruggemann, H. 290
Brusentsova, V. N. 263
Brzeski, M. 251
Buchholtz, H. 286
Budylin, B. V. 313
Buglov, E. G. 302
Bühler, H. 305
Bukhanova, A. A. 314
Bulanzhe, Yu. D. 266
Bulychev, D. K. 302
Bun-Hoi, N. P. 231
Bunning, E. 234
Burger 277
Busby, A. D. 308
Bushmarina, T. V. 233
Busson, A. 227, 230

Author Page
Butenko, R. G. 234
Buu-Hoi, N. G. 231
Bykov, A. N. 277, 295
Byvshuk, N. S. 243
Cado, Y. 236
Cameli, N. 299
Capaldo, A. M. 236
Carlo, P. 277
Cartron, J. 227
Cauwenberge, H. van 238
Cevidalli, G. B. 259
Chabbert, Y. 245
Chaikin, I. K. 310
Chailakhyan, M. Kh. 223, 234
Chalov, R. S. 267
Chamarro, A. 231
Chamorro, A. 231
Chauchard, P. 226
Chekmarev, I. B. 314
Chen, Gi-tkhek 314
Cherchenko, I. I. 235
Chernigovskii, V. N. 237
Chernis, N. E. 289
Cherntsova, T. A. 239
Chernyaev, I. I. B-13
Chizhikov, D. M. 308
Chmutova, M. K. 260
Cho, I. 244
Chovnyk, N. G. 263
Chudakov, V. G. 241
Chudnovskaya, L. A. 305
Churkin, V. K. 288
Chvierook, V. P. 277
Chzhou, Yui-lin' 300
Ciampelli, F. 299
Ciborowski, S. 260
Clement, J. 277, 278
Coers, C. 238
Combemale, P. 242, 243
Conen, M. 298
Conforto, G. 277
Consalvo, A. 310
Cooper, A. H. 289
Cordier, P. 277
Corteggiani, E. 244
Coste, F. 226
Courrier, R. 230
Couturier, P. 260
Cowie, C. T. Y. 277
Crabbe, R. 277, 278
Crespi, G. 299
Cunha, A. P. da 243
Cuny, L. 227
Cybulski, W. 287
Czarnowska, W. 288
Dadak, V. 260
Dagis, A. S. 267
Dagys, A. 267
Dahmlos, J. 260
Danielopolu, D. 243
Dat-Zuong, N. 231
David, J. F. 226
Davtyan, O. K. 263
Davydova, A. N. 225
Dazai, S. 305
Debre, R. 227, 230
Debuch, L. 250
Dehmel, G. 308
Deich, M. E. 289
Dekhtyar', A. L. 238
Dekhtyar, I. Ya. 315
Delbarre, F. 226
Dement'ev, G. P. 251
Demidko, M. E. 222
Demidov, A. M. 313
Denisenko, N. N. 238
Deprez, C. 277, 278, 285
Desruelles, J. 243
Dessens, H. 269
Dezin, A. A. 300

Author Page
Diery, H. 260
Diskina, B. S. 250
Dissinger, K. 299
Disteldorf, J. 276
Dixon, R. H. T. 308
Dmietrieva, V. A. 296
Dmitrak, Yu. A. 270
Dneprenko, K. V. 305
Dogel', V. A. 251
Dolgov, V. M. 308
Dominik, T. 223
Doury, C. 311
Driatskii, N. M. B-13
Drozrov, O. A. B-13
Dubrulle, P. 228, 229
Dumazert, C. 230
Dupuy, R. 243
Durel, P. 243
Dusek, J. 304
Dykyj, J. 278
Dymecki, W. 288
Dzhrbashyan, M. M. 300
Ebert, H. 278
Edel'man, N. M. 251
Efros, D. A. 265
Egami, I. 311
Eger, W. 243
Eidel'man, S. D. 300
Eigeles, M. A. 268
Eliseev, N. A. 267
Elmer, A. W. 227
Emanuel', N. M. 259
Emelyanov, D. S. 277
Emel'yanov, V. A. 313
Enikeev, Kh. K. 223
Eremin, I. V. 294
Ermolaeva, T. A. 311
Ernst, P. 260
Ershler, E. Ya. 291
Esaulova, I. N. 223
Esikov, S. E. 290
Eskin, V. E. 252
Estrin, R. 287
Evteev, S. A. 265
Ezerskii, A. N. 291
Faddeeva, V. N. 301
Fástov, N. S. 302
Fauconneau, G. 223
Fedorcsak, I. 230
Fedorov, A. F. 269
Fedynskii, O. S. 316
Fedynskii, V. V. B-13
Felder, E. 262
Fels, E. 238
Fetisova, T. V. 230
Fijan, N. 241
Fikentscher, H. 298
Fillippov, G. A. 289
Fischer, M. 261
Fitzer, E. 309
Fiuczek, M. 235
Flek, J. 294
Flickinger, E. 260
Flisi, U. 299
Flower, G., Jr. 270
Foglia, V. G. 240
Fomichov, E. M. 316
Forbes, S. 278
Fourneau, E. 235
Franchimont, P. 238
Frech, K. J. 278
Frey, M. 278
Fricker, R. 298
Friedrich 276
Frolov, S. S. 295
Frolov, Yu. P. 313
Fruhwirth, O. 278
Fugmann, R. 252
Fujii, K. 278
Fujii, T. 305
Fukuda, K. 283
Fukunaga, T. 283
Funtov, Yu. E. 303
Gabzdyl, W. 287
Gaidenko, A. I. 231
Gaiko, E. I. 265
Galdina, N. M. 293
Gallai, M. L. 271

Author Page
Gallazzi, M. C. 281
Galli, R. 281
Galmiche, P. 246
Gal'perin, M. Ya. 311
Gambarov, G. A. 291
Gams, A. 292
Garan, F. A. 280
Gasparyan, S. A. 241
Gatsura, V. V. 243
Gaube, E. 299
Gauthier, R. 227
Gautz, V. N. 266
Gauzzi, F. 304
Gayet-Hallion, T. 227
Geinish, M. P. 280
Gel'perin, N. I. 278
Genkel', P. A. 234
Georgesku, B. 241
Gerasimov, V. V. 315
Gerasimova, G. K. 249
Gershanovich, M. L. 249
Gershuni, G. V. 227
Giedosz, B. 227
Gilbert, W. 238
Gillo, L. 245
Gintsburg, Ya. S. 312
Ginzburg, D. M. 263
Ginzburg, E. S. 312
Girard, A. 244
Gley, P. 229, 244
Glushneva, Z. Ya. 232
Gnot, W. 284
Goerrig, D. 278
Goff, P. le 314
Gokberg, M. M. 308
Gol'dfarb, D. M. 235
Goldfarb, E. M. 305
Gol'farb, D. M. 235
Golikov, I. N. 305
Goncharov, V. N. 303
Gorbai, S. V. 293
Gorbunov, G. I. 267
Gordienko, L. K. 316
Gordienko, V. M. 230
Gordon, G. M. 311
Gordzievskii, L. 288
Gorel'chik, K. I. 250
Gorin, I. G. 305
Gorlov, O. 226
Görrig, D. 278
Gorskii, A. A. 300
Gost, A. C. F. 294
Gott, Yu. V. B-13
Gozzano, M. 238
Grabar', L. P. 305
Grabovetskii, A. P. 305
Gracheva, N. D. 249
Gram, J. P. 301
Grand, P. B-13
Grandjean, L. 228, 243
Grapentin, K. 278
Grasset, J. 227
Grechishkin, V. S. 313
Grekulova, L. A. 268
Gribovod, A. F. 250
Griffie, R. A. 242
Grigor'ev, A. T. 315
Grigor'ev, D. P. 268
Grigor'eva, A. S. B-13
Grigor'eva, M. P. 288
Grishina, E. E. 288
Grodzenskii, D. E. 248
Gromov, V. S. 300
Gros, G. 227
Groshev, L. V. 313
Grüss, H. 278

Author Page
Grusz, H. 278
Gryaznov, I. S. 235
Gubin, G. V. 308
Gudina, A. M. 232
Gulidov, M. V. 251
Gulyaev, E. I. 223
Gulyanitskaya, Z. F. 308
Gurevich, I. B. 239
Gurevich, M. D. 234
Gurkin, G. S. 289
Gurvitch, G. 318
Gutorova, L. L. 293
Guyer, A. 260
279
Hache, A. 311
Halban, H. H. von 313
Halpern, B. N. 243
Hamada, H. 306
Hamels, J. 318
Hamuro, H. 305
Hänn, F. 291
Hantz, A. 259
Hara, H. 279
Harder, D. B-14
Harmsen, E. 278
Hartmann, R. 282
Haspra, J. 278
Haussmann, H. 260
Hazard, R. 227
244
Heirman, P. 244
Held, S. 264
Hennes, R. 279
Henning 279
Henry, C. 248
Henschke, W. 308
Herbert, W. 285
Hermanyuk, Yu. L. 230
Herold, P. 279
Herrmann, P. 255
Heyna, J. 260
Hiki, Y. 244
Hino, S. 231
Hirtz, G. 227
Hoenig, F. 309
Hoffmann, A. 316
Hofmeister, W. 287
Hohn, H. 309
310
Höhne, K. 309
Holfapfel, L. 296
Hollmann, W. 226
Holtschmidt, H. 298
Holub, J. 279
Horeau, A. 230
Horio, T. 309
Hruby, M. 298
Huber, B. 234
Hunt, C. F. 285
Hurum, F. 309
Hutinel, B. 245
Huzita, T. 302
Hykes, D.-E. 244
Hykes, O.-V. 244
Ieveva, E. S. 252
Ignatova, L. N. 241
Igoshin, V. A. 239
Ikeda, T. 307
Il'na, A. G. 234
Imchtenski, A. M. 271
Isaev, E. I. 306
Isagulyants, V. I. 260
Ishchenko, L. A. 224
Ishchuk, N. Ya. 307
Ishida, T. 304
Ishii, K. 237
Ishii, Y. 244
Ishino, T. 309
Isler, F. 309
Issaiev, B. M. 236
Ivanov, K. I. 263
Ivanov, M. E. 279
Ivanov, V. I. 268
Ivanova, N. V. 314
Ivanova, V. I. 235
Ivanova, V. S. 302
Iveronova, M. I. 267
Iwata, Y. 244
Izotov, A. A. 266
Izvozchikov, V. A. 315
Jacques, J. 230
Jankowska, H. 265
Jaročki, W. 285

Author Page
Jess, A. 238
Johnsson, G. 287
Jolibois, P. 260
Joliot, J. F. 313
Jonas, H. 278
Jordan, E. 286
Jovanovic, B. 241
Juilfs, J. 295
Jurkiewicz, J. 279
Jurkovic, V. 249
Justi, E. 279
Jutz 261
Ka'apetyan, K. S. 302
Kacharava, P. M. 222
Kacprzynski, J. 302
Kaes, H. 304
Kagan, Ya. I. 306
Kakhetelidze, M. G. 239
Kalashnik, I. A. 223
Kalinowska, Z. 288
Kamecki, J. 309
Kamela, C. 266
Kamenskaya, M A. 224
Kaminski, V. V. 292
Kanavets, P. I. 279
Kandl, J. 307
Kandler, L. 278
279
Kanevskaya, S. I. 261
Kaniuga, Z. 234
Kanno, M. 285
Kantor, P. B. 316
Kanzaki, K. 279
281
Kapilevich, M. B. B-13
Kapitsa, P. L. 270
Kaplan, M. P. 289
Kapralova, N. P. 234
Kapuscinski, S. 251
Karandaeva, V. P. 288
Karp, S. F. 306
Karpenko, G. V. 306
Karsten, H. 309
Karyukina, V. N. 268
Kashkin, S. K. 292
Kas'yanova, T. I. 240
Kato, E. 281
Katsumata, S. 246
Kaufman 280
Kavasha, A. S. 283
Kawakami, M. 280
Kawano, J. 239
Kawashiro, I. 314
Kayser, T. 296
Kazarnovs'kyi, L. S. 248
Kazbintsev, L. I. 241
Kefeli, T. Ya. 244
Keier, N. P. 263
Keller 282
Kerler, W. B-14
Kesner, B. 223
Khaikina, S. E. 312
Kharitonov, A. I. B-13
Kharitonov, A. M. 289
Kharitonov, G. V. 294
Kharlashkin, V. I. 295
Khlebnikov, A. E. 306
Khomitska, L. F. 230
Khorol'skii, Yu. M. 293
Khromov, V. E. 270
Khudyakov, A. N. 276
Kibler, C. J. 299
Kilimova, O. E. 242
Kimpel, W. 298
Kimura, K. 279
Kiparisova, L. D. 268
Kirakosyan, P. M. 302
Kircher, M. S. 263
Kirnbauer, H. 310
Kirpichnikov, S. N. 287
Kiselev, Yu. G. 267
Kisil, O. M. 316
Kisiy, P. S. 312
Kiyono, T. 268
Klegg, D. I. 293
Klenov, K. N. 236
Kleshchev, P. E. 265
Klitsa, E. L. 283
Klöpfer 276
280
Klopfer, H. 253
Kloubek, J. 280
Klucorsky, P. 278

Author Page
Klyueva, N. G. 239
Knabe, J. 244
Knunyants, I. L. 244
Koch, F. O. 303
Koch, K. B-14
Kochetkova, V. A. 244
Kochetov, G. A. 232
Kodama, K. 309
Kofler, A. 245
Kohari, S. 248
Kohler, D. 242
Köhler, W. 309
Kolesnichenko, G. A. 310
Kolesnikov, V. A. 224
Kolesnikova, L. I. 242
Kometiani, Z. P. 227
Kondelik, P. 280
Kondo, R. 246
Kondrashchuk, P. K. 222
Konig, J. 282
Kononenko, V. A. 315
Kononko, V. P. 293
Kononov, B. P. 313
Konozenko, P. A. 235
Konstantinova, V. V. 249
Korchev, M. A. 283
Korepin, E. A. 314
Korf, E. I. 280
Korobkina, G. S. 232
Korovin, V. A. 222
Korshun, M. O. 254
Kosaki, Y. 309
Kosareva, N. A. 251
Koshelev, I. I. 270
Koshelev, P. F. 302
Kossov, E. V. 222
Kossovitch, N. 236
Kostecki, C. 296
Kostrov, A. V. 289
Kostyleva, L. A. 309
Kotel'nikov, G. A. 313
Kotova, M. V. 231
Kovalenko, P. N. 253
Kowarski, L. 313
Koyama, Z. 239
Kozhevnikov, N. I. 225
Kozin, L. F. 309
Kozyrskii, G. Ya. 315
Kraev, A. S. 309
Kralovic, J. 231
Krasnopevtseva, G. N. 269
Kraus, W. 292
Kravchinskii, B. D. 246
Krestnikova, N. I. 295
Kripyakevich, B. I. 306
Kriss, A. E. 236
Kristoffel, N. N. 316
Kroll, W. 311
Kroper, H. 281
Krushchov, N. G. 230
Krushinskii, L. V. 226
Kublanovskaya, V. N. 301
Kucher, A. M. 308
Kuck, J. A. 254
Kugmina, T. N. 232
Kühn, H. 261
Kuliev, R. Sh. 294
Kulmburg, A. 310
Kundiev, Yu. I. 245
Kundzinya, I. A. 245
Kunyavskii, B. M. 289
Kuprina, V. V. 315
Kurz, H. 285
Kusaka, R. 306
Kusakov, M. M. 280
Kushch, A. A. 230
Kuzechenko, G. N. 288
Kuzin, A. M. 249
Kuz'minykh, V. D. 225
Kuznetsov, B. F. 222
Kuznetsov, M. D. 280
Kuznetsov, V. I. 288
Kuznetsova, A. A. B-13
Kuznetsova, N. P. 253
Kuznik, B. I. 239
Kuzukara, Y. 306
Kvitko, M. P. 306
Labanava, N. M. 249

Author Page
Labarre, J. 245
Labuntsov, D. A. 316
Lacassagne, A. 231
Lacronique, F. 226
Ladyzhenskaya, O. A. B-14
Lakota, B. M. 268
Lambin, S. 247
Landler, P. 298
Landler, Y. 298
Lanzel, J. P. 220
LaPietra, V. 255
Lapteve-Popova, M. S. 245
Larczenko, K. 251
Laurent, J. A. 294
Lavin, E. 285
Lavollay, J. 228
246
Lavrent'ev, L. N. 239
Lebel, P. 298
Lecomte, J. 238
Legrand, R. 243
Lekovich, G. A. 280
Lemaire, E. 291
Lemaire, R. 291
Lenoir, J. 248
Leonov, V. M. 239
Leont'eva, V. V. 269
Leroux-Hugon, P. 316
Levashev, V. S. 236
Levchenko, A. I. 295
Levin, A. I. 239
Levkovich, E. N. 239
Levy-Bruhl, M. 236
Lewis, J. T. 227
240
Libinzon, R. E. 249
Lidskii, V. B. 301
Lierg, F. 296
Lihl, F. 310
Likhtenshtein, G. A. 294
Linchevskii, B. V. 312
Lindholn, H. 245
Lipshtein, R. A. 312
Lishnevskii, V. A. 255
Litmanovich, A. D. 252
Litvinenko, G. Kh. 280
Livshits, B. R. 280
Lokhanin, K. A. 265
Lorentso, R. V. 259
Lorenzini, G. 231
Losev, I. P. 261
Loskutova, E. A. 228
Lukanina, I. G. 308
Lukasik, I. S. 232
Lunts, G. L. 301
Lutsenko, V. N. 313
Lutsyak, V. G. 306
Lutz, G. 285
Lutz, K. 262
Lyannaya, Z. G. 280
Lyashenko, V. A. 245
Lyubich, Yu. I. 301
Machu, W. 255
Madebach, K.-J. 298
Maeda, M. 310
Maehara, S. 306
Magliari, G. 236
Makarenko, A. K. 307
Makarova, V. S. 288
Makkaveev, N. I. 267
Makowski, A. H. 292
Maksimov, I. V. 266
Maksimovich, Ya. B. 231
Makuchin, V. N. 265
Malatesta, L. 255
Malde, M. de 299
Mal'tsev, B. K. 317
Manafov, B. M. 283
Marchuk, G. I. B-14
Marconi, W. 299
Margolis, A. M. 231
Marinchenko, N. I. 295
Marinesku, E. 241
Markhart, A. H. 285
Markov, G. S. 251
Markova, I. V. 245
Markovich, L. M. 266
Marshak, A. M. 240
Marshakov, I. K. 312
Martens, H. 261
Martin, H. 254

Author Page
Martin, L. 245
Martin, R. 245
Martynov, E. D. 302
Martynova, O. I. 264
Marullo, G. 280
Marynenko, A. A. 232
Masek, V. 294
Mashanskii, V. F. 249
Masuda, T. 254
Matsubayashi, H. 309
Matsuoka, S. 312
Matyushenko V. Kh. 264
Mauro, A. 304
Mayer, R. L. 245
Mazzei, A. 299
Mecir, R. 287
Medard, M. L. 287
Medovar, B. Ya. 229
Medved', L. I. 245
Medvedev, S. S. 264
Meerson, F. Z. 240
Mekenitskaya, L. I. 280
Meklenburtsev, R. N. 251
Melentev, P. N. 279
Mel'man, E. P. 249
Melzer, W. 285
Merlen, J. F. 228
229
Merzon, A. K. 240
Messner, G. 280
Meunier, J. M. 228
Meunier, P. 229
Meyer, H. J. 286
Meyer, W. 288
Michel, J.-M. 298
Mikhailov, M. A. 234
Mikhailov, V. K. 311
Mikheev, M. A. 316
Mikhlin, S. G. B-13
Milovanov, L. V. 231
Milovanov, V. K. 223
Milyavskii, Yu. S. 310
Minczewski, J. 254
Mingulina, E. I. 264
Minisci, F. 281
Minz, B. 228
Mironenko, L. A. 293
Miroshnichenko, M. A. 246
Miroshnik, E. E. 270
Mishchenko, M. T. 315
Mishchenko, N. M. 306
Mitryagina, S. F. 261
Miyamoto, A. 312
Mlodecka, J. 254
Moignic le 246
Moiseev, I. G. 225
Moiseev, M. A. 270
Molchanova, O. P. 231
Molina, C. 220
Molinder, G. 306
Molotkovskii, Yu. G. 224
Montagner, S. le. B-14
Moosbrugger, M. 261
Morandini, G. 231
Morcillo, J. 261
Morgenstern, G. 261
Mori, T. 310
Morosenskaya, L. S. 240
Morosumi, T. 281
Moschel, W. 278
Moskaleva, G. P. 239
Moskvitina, T. A. 232
Motovilova, T. P. 246
Mounevrat, A. 261
Muchnik, V. M. 266
Mularczyk, T. 255
Muller, F. H. 254
Müller, H. 310
Murachev, A. N. 265
Muraki, J. 312
Murashima, T. 246

Author	Page
Muratov, V. M.	267
Murazyan, R. M.	239
Murzin, V. A.	270
Murzov, A. I.	311
Musaev, G. T.	294
Musatov', N. A.	240
Musin, A. K.	315
Musiyko, V. O.	232
Mutina, E.	310
Muzalevskii, O. G.	305
Nagirnyak, F. I.	268
Naidich, Yu. B.	310
Nakahara, N.	236
Nakayama, I.	244
Narita, K.	312
Natapov, B. S.	312
Natta, G.	281
	299
Nazarnyi, S. A.	269
Nazarova, N. I.	294
Nedwed, H.	309
Nemenova, N. M.	240
Nemenova, Yu. M.	232
Neshchadim, A. G.	281
Neshpor, V. S.	310
Neskreba, A. V.	220
Nespiak, A.	223
Nesterov, V. E.	313
Nesterov, Ya. S.	222
Nesterova, L. P.	240
Neubert, G.	254
Neuwirth, W.	B-14
Nevesskii, E. N.	268
Niewiadomski, T.	279
Nikitin, N. I.	B-14
Nikitin, V. M.	232
Nikitina, E. T.	224
Nikolaeva, N. V.	239
Nishiba, Y.	281
Nishikawa, M.	246
Nishimura, S.	262
Nishioka, T.	306
Nitti, F.	235
Nol'de, L. D.	302
Nomofilov, S. I.	311
Nosov, M. P.	295
Novi, V. O.	270
Novichenko, Ya. Z.	222
Novikov, B. G.	251
Nussbaum, A.	287
Oda, K.	281
Oding, I. A.	316
Oechslin, C.	245
Ogasanara, T.	248
Ogryzkin, E. M.	316
Okerblom, N. O.	310
Oki, R.	278
Okolowicz, W.	B-14
Okrainets, P. N.	315
Olsen, S.	261
Omarov, A. K.	306
Ondrus, I.	278
Orboli, L. A.	246
Orengo, F.	294
Orlowski, P.	311
Ornatskaya, V. A.	295
Orthner, L.	298
Orza, J. M.	261
Osokin, I. M.	266
Osovets, S. M.	B-14
Ostapenko, V. I.	234
Ostrilova, A. P.	291
Otsuka, S.	240
Otten, G.	261
Ottmann, H.	315
Ouachi, A.	230
Ovcharenko, V. E.	281
Ovchinnikov, I. M.	313
Pachlewski, R.	223
	224
Pala, A. M.	231
Palladina, L. I.	232
Paoloni, C.	281
Parrot, J. L.	228
	232
	246
Parsadanyan, R. G.	247
Parvi, L.	283
Pas, R.	318
Pascal, M.	313
Paskucz, L.	259
Passler, H.	291
Pastor, J.	315
Pavlik, O.	310
Pavlovskii, K. A.	246
Pavlovskii, P. E.	288
Pavlutskaya, T. I.	312
Pegoraro, M.	281
Pelekhov, V. I.	313
Pelletier, J.	247
Pelluchon, P.	227
Pennetti, P.	281
Perepelkin, S. R.	250
Perret, A.	247
Petinov, N. S.	224
Petrenko, E. V.	265
Petrishchev, N. N.	250
Petrishcheva, P. A.	252
Petrov, D. A.	314
Petrovskaya, T. P.	234
Petruchin, O. M.	260
Petrushevskii, G. K.	251
Petrzilka, O.	306
Petukhov, B. S.	302
Pevnikotsa, L. A.	308
Pfalzgraf, H. G.	305
Picard, D.	230
Pietro, P.	277
Pilipenko, V. G.	246
Pinoy	246
Pinten, P.	299
Pinus, E. P.	291
Pirani, R.	259
Piskunov, E. M.	264
Pivnik, L. Ya.	305
Piwonka, R.	255
Planaguma, A.	290
Planel, H.	226
Plankina, A. V.	310
Platz, R.	281
Pletnev, D. V.	263
Plöckinger, E.	310
Pochtovik, G. Ya.	292
Poddubnaya-Arnol'di, V. A.	234
Podstrigach, Ya. S.	302
Podymakhin, V. N.	269
Pogorel'skii, A. I.	240
Pokrovskii, A. A.	232
Polunina, N. N.	234
Polyakov, N. I.	292
Polyakov, Yu. A.	316
Polyakova, A. M.	246
Polyanskii, Yu. I.	251
Popov, L. E.	310
Popov, N. T.	294
Popovyan, D. E.	314
Popp, B.	281
Poprovskii, A. A.	232
Pordes, W.	270
Porri, L.	281
Portier, P.	246
	247
Posnyakov, P. F.	283
Prange, K.	285
Preiswerk, E.	292
Prette, M.	264
Price, C. C.	299
Priedniek, E. Ya.	238
Prikhodchenko, V. G.	283
Privalov, G. F.	224
Profit, A.	303
Proiser, E.	232
Prokhorenko, K. K.	307
Protod'yakonov, M. M.	265
Prusov	294
Psarev, V. I.	303
Psychoyos, A.	250
Pustovit, V. T.	283
Quambusch, D.	295
Quevauviller, A.	228
	246
Quinquaud, A.	246
Quivy, D.	227
Rabkina, A. E.	250
Racine, J.	261
Ragozina, T. A.	291
Raitses, V. S.	249
Rakitin, Yu. V.	224
Rakov, I. D.	294
Rakova, V. M.	252
Ralston, P. H.	282
Ramanamanjary, W.	246
Ramos, C.	315
Rasche, W.	282
Raschig, F.	296
Raszkowski, T.	292
Ratner, S. B.	253
Ratner, V.	243
Ratner, Yu. E.	269
Rausch, W.	303
Ravich, G. B.	232
Raymond-Hamet	227
	228
	229
	247
Reaumur, de	292
Regnier, J.	247
Reininger, H.	296
Remezov, N. P.	265
Reppe, W.	261
	282
Rerabek, J.	244
Rericha, R.	307
Reti, L.	227
	232
Reyes, H. G.	290
Reznikov, M. I.	293
Richard, K.	299
Richet, C.	246
	247
Rinn, K.	282
Riou, M.	298
Roberts, F. W.	270
Rodot, H.	316
Rodot, M.	316
Rodriguez, R. R.	240
	247
Rogova, T. I.	222
Rohmer, P.	240
Roitbak, A. I.	229
Roland, C. T.	282
Romand, J.	315
Romano, G.	236
Romanov, V. V.	312
Romanov, Yu. D.	235
Romanova, N. A.	278
Romenets, V. A.	303
Romer, E.	317
Rommel, O.	261
Ronne, H.	238
Ronsal', G. A.	223
Roser	282
Rosinski, S.	279
Roskin, G. I.	239
Rotmistrovskii, B. M.	306
Rottig	294
Roualt, J.	228
Rovinskii, B. M.	311
Rozenberg, A. Ya.	314
Rozenfel'd, I. L.	312
Rozhanskii, A. I.	293
Rozlovskii, A. I.	253
	264
Rubin, B. A.	224
Rufanov, I. G.	240
Rukhadze, E. G.	263
Rukina, E. A.	236
Rusinov, V. S.	237
Ruskol, E. L.	225
Ruttmann, W.	287
Ryabchenkov, A. V.	270
Ryabova, S. E.	238
Rybin, V. A.	234
Ryvkin, I. A.	241
Sabo, M.	281
Sadykhova, B. A.	294
Safrazbekyan, R. R.	247
Safronov, V. S.	225
Saito, K.	232
Sakharov, I. N.	311
Saknyn, A. V.	238
Salekhova, L. P.	252
Salikov, A. P.	286
Sal'kova, E. G.	224
Salsas-Serra, F.	290
Samoilov, M. A.	223
Samoilova, K. A.	249
Samson, E. I.	241
Samsonov, G. V.	312
Sarompas, M. R.	261
Sartori, G.	299
Sasaki, K.	303
Sasaki, M.	306
Sasaki, N.	282
Sattarov, M. M.	317
Savet, H.	233
Savinov, G. V.	226
Savkov, E.	288
Savostyanov, A. V.	271
Schade, H.	299
Schauf, G.	303
Scheibe, W.	279
Scheps, M.	227
Scherer, O.	261
Schieck, F.	238
Schinn, R.	286
Schirmer, R.	282
Schlager, C.	309
Schlusnus, K. -H.	303
Schmeisser, M.	255
Schmidt, E.	234
Schmitz-Josten, R.	282
Scholz, M.	271
Schonemann, K.	282
Schubert	255
Schultze, G. R.	262
Schulz	261
Schumacher	259
Schuster	282
Schuster, C.	262
Schuster, W.	285
Schwarz, H. G.	284
Schwarzenback, G.	262
Seailles, J. C.	255
Sedivec, V.	294
Sedov, V. V.	250
Sedzimir, J.	309
Seib, A.	262
Seidler, P. O.	292
Seitl, J.	260
Seki, Y.	268
Sekowska, B.	253
Selezeni, A. L.	266
Seliverstova, M. S.	295
Semenov, I. A.	271
Semenov-Tyan-Shanskii, A. P.	252
Sennewalt, K.	279
Serebryakov, N. G.	250
Serenkov, G. P.	232
Serensen, S. V.	302
Sergeev, G. B.	255
Sevastyanova, L. S.	253
Severin, M.	288
Shabad-Ivanova, M. P.	241
Shabad, L. M.	247
Shakhnov, I. I.	314
Shapiro, I. M.	249
Sharonov	294
Shavlokhov, A. E.	290
Shchegolev, D. E.	225
Shcherbak, S. K.	283
Shcherbakov, F. A.	268
Sheinberg, S. A.	289
Shelamov, V. A.	311
Shibata, H.	282
Shibata, K.	282
Shigemi, A.	309
Shiina, A.	244
Shimazu, K.	282
Shimura, T.	281
Shinoda, Y.	239
Shipova, A. A.	252
Shistovskii, S. P.	246
Shitsman, M. E.	317
Shlenskaya, V. I.	264
Shmeleva, Yu. D.	224
Shmul'yan, Yu. L.	301
Shoji, K.	303
Shorshorov, M. Kh.	303
Shtessel, T. A.	247
Shtraus, A. V.	301
Shtremel, M. A.	305
Shumakov, V. S.	B-14
Shumkova, M. N.	224
Shumov, M. M.	306
Shynyans'kyi, L. A.	248
Sidel'kovskaya, F. P.	244
Siecke, W. -F.	318
Sigov, A. P.	268
Siimes, F. E.	300
Silber, A.	303
Simonov, K. V.	305
Sinaiskii, V. M.	311
Sinelnikova, V. S.	312
Sirota, A. M.	317
Sivko, V. I.	271
Siyanova, N. S.	223
Skavronskaya, A. G.	236
Skibnevskaya, N. N.	234
Skinderowicz, F.	290
Skochko, T. I.	241
Skryshevskii, A. F.	316
Skudra, A. M.	292
Skulkova, G. V.	254
Slanciauskas, A.	317
Slipchenko, L. D.	265
Slobodetskii, L. N.	301
Smaly, V. T.	233
Smazhnova, N. A.	241
Smejkal, K.	260
Smirnova, G. P.	293
Smith, J. G.	299
Smorodintsev, A. A.	241
Smrcek, K.	307
Smusin, Ya. S.	248
Sofier, V. N.	235
Sogomonyan, M. S.	283
Sokolik, A. S.	264
Sokolova, V. E.	224
Solechnik, N. Ya.	318
Solon'ko, V. N.	248
Sopil'nik, A. Yu.	249
Soroka, V. R.	233
Sorokina, N. S.	295
Spangenberg, E. P.	251
Specht, E.	292
Spoun, F.	283
Spyrkez, T.	241
Stamberg, J.	262
Starak, J.	317
Starck, D.	283
Starck, W.	262
Steinemann, S.	266
Stempniewski, S.	291
Stepanov, S. A.	313
Stepanova-Malauskene, T. P.	241
Sterne, J.	243
	248
Stiffel, C.	243
Stoer, J.	301
Stoikitsa, S.	241
Stopa, M.	B-14
Streiman, V. E.	265
Strickler, H.	243
	248
Stroganov, N. S.	252
Strukov, I. T.	262
Strumza, M.	238
Stuks, I. Yu.	241
Suchet, J. P.	316
Sudilovskaya, A. M.	251
Sugino, T.	283
Sugiyama, H.	248
Sugiyama, M.	283
Sukasyan, R. S.	247
Sukhenko, S. I.	294
Sukhoterin, I. S.	283
Sukhovei, V. A.	293
Sulaimankulov, K.	262
Sumilov, K. A.	307
Sumita, M.	307
Suprun, L. A.	312
Sureau, B.	245
Suseki, A.	304
Sushkevich, N. I.	236
Suslikov, A. D.	280
Suzuki, O.	283
Suzuki, Y.	246
Sverdlov, B. D.	235
Sverdlov, R. Sh.	283
Sviridov, A. P.	314
Swatek, S.	284
Swietoslawska, J.	264
Swoboda, K.	310
Sysoeva, L. A.	240
Szukalski, J.	267
Tajiri, I.	307
Takagi, M.	239
Takei, T.	304
Takemasa, Y.	239
Takemoto, Y.	246

Author	Page
Takuc[illegible]	284
Tanabe, H.	314
Tanaka, K.	285
Taniguchi, K.	268
Tanoue, T.	307
Tarasenkov, D. N.	254
Tarasov, N. F.	250
Tarasov, S. V.	290
Tarasova, T. E.	283
Tarchevskii, I. A.	223
Tatarinov, G. A.	309
Teichert, A.	252
Temerti, G. F.	271
Temkin, D. E.	314
Temnikov, F. E.	285
Teodorovich, G. I.	268
Teras, L. E.	233
Thelen, K.	303
Thermet, R.	283
Thomas	299
Thumult, O.	282
Tichopadova, E.	307
Tietz, H.	286
Tikhonenko, T. I.	233
Timofeev, D. A.	267
Timoshchenko, V. A.	294
Tishkova, V. N.	260
Tiyupin, N. F.	266
Tokarevich, K. N.	236
Tomasek, I.	241
Tomassi, W.	265
Topchiev, A. V.	252
Tratsevitskaya, B. Ya.	269
Trebulov, P. D.	291
Trefouel, J.	235 248
Trefouel, L.	243
Trieschmann, H.-G.	260
Troitskaya, M. G.	263
Trommer, A.	248
Troshin, N. F.	307
Trushina, E. F.	242
Truszkowska, W.	224
Tseitina, A. Ya.	233

Author	Page
Tseitlin, L. A.	283
Tseitlin, P. I.	250
Tsinger', N. V.	234
Tsiomyk, V. O.	230
Tsuruna, D. I.	234
Tsurupa, D. I.	242
Tsvetkova, I. V.	234
Tufano, A. L.	270
Tulin, S. N.	286
Tumarev, A. S.	307
Tunkov, V. P.	305
Turkenich, D. I.	307
Turtoczky, I.	230
Turusov, V. S.	242
Uberall, H.	313
Uchiyama, I.	307
Uehara, H.	262
Ugarova, T. Yu.	250
Ul'yanova, N. I.	236
Unchiev, N. D.	224
Uno, T.	306
Uraltseda	B-14
Urazgil'deev, A. Kh.	307
Urushibara, Y.	262
Usova, L. F.	307
Ustinov, I. D.	223
Ustinovich, T. A.	295
Utkalov, P. R.	266
Uvira, J.	296
Vaille, C.	227
Valek, D.	287
Valenta, V. M.	237
Valette, G.	229
Vanin, V. I.	292
Vanlerenberghe, J.	243
Vargin, V. V.	293 313
Varlachkin, V. M.	266
Vartanyan, G. A.	229
Vartanyan, L. S.	259
Vasilev, G.	288
Vasil'ev, N. E.	307
Vasilevskii, N. N.	229
Vas'ko, O. P.	233

Author	Page
Vaupel, W.	252
Veil, C.	228
Veinberg, B. S.	287
Velev, D. S.	293
Velluz, L.	229
Vermeer, J.	286
Verona, O.	225
Vial, J.	233
Vidro, L. I.	293
Vielstich, W.	283
Vigodchikov, G. V.	242
Vil'dt, E. O.	295
Villemin-Clog, L.	240
Vinet, A.	229
Vishnevskii, I. I.	316
Vitman, F. F.	293
Vitolinya, M. A.	242
Vlasov, I. P.	271
Vlasov, K. A.	B-14
Vlasov, K. R.	294
Vodar, B.	315
Vogt, H.	278 279
Voinov, S. G.	307
Voit, H.	282
Vokrouhlicky, L.	249
Volfenson, L. G.	242
Volfenzon, I. I.	293
Volgarev, M. N.	233
Volkov, G. I.	283
Vollmann	262
Vollmer, W.	285
Volnova, V. A.	232
Volokhova, N. A.	250
Voloshchenko, V. I.	315
Vorob'ev, A. A.	313
Vorontsov, V. P.	293
Vortisch, E.	269
Voskoboinikov, G. I.	293
Vrublevskii, L. E.	293
Vul'fson, N. I.	266
Vvedenskii, V. S.	307
Wagner, G.	298
Wagner, H.	298
Waledziak, H.	264

Author	Page
Wallerius, P. G.	253
Walther, H.	383
Wasilewski, L.	284 304
Wassmuth, H.	304
Watanabe, J.	304
Wegener, W.	295
Weissweiler	284
Welz	280
Werner, M.	287
Weschky	284
Westcott, H.	314
Widmer, G.	292
Wieckowski, S.	233
Wieland, W.	292
Wierzchowski, J.	288
Wiesner, F.	304 307
Winsel, A.	279
Wisniewski, W.	252
Wittig, G.	262
Wolf, K. A.	265
Wurbs, A.	284 286
Wyrsch, J.	237
Yafaev, R. Kh.	237
Yagel'skii, A. N.	271
Yakovlev, V. I.	314
Yakubenko, A. E.	302
Yamada, S.	303
Yamaguchi, Y.	284
Yamashita, S.	284
Yanushevskaya, M. I.	249
Yaroshevich, V. D.	304
Yastrebov, M. T.	269
Yokota, N.	284
Yoshinaga, T.	286
Yoshizumi, E.	268
Yuchin, V. V.	270
Yusa, H.	248
Yuzefovich, G. I.	271
Zadny, I.	308
Zadoyan, M. A.	303
Zaitseva, A. D.	305
Zakharikov, N. A.	293

Author	Page
Zakharova, V. V.	236
Zaleski, J. Z.	304
Zaliznyak, A. A.	293
Zaliznyak, D. V.	293
Zanetti, F.	259
Zaniroli, S. M.	290
Zaporozhtseva, O. K.	293
Zaremba, T.	318
Zarets'ka, I. V.	232
Zavorueva, R. S.	294
Zefirova, G. S.	242
Zeitlin, Yu. A.	270
Zelikman, V.	296
Zelinger, J.	281
Zezin, M. A.	294
Zezulova, M.	304
Zhadin, V. V.	268
Zhbankov, R. G.	314
Zhdanov, Yu. A.	233
Zherebchuk, L. K.	237
Zhigulev, V. N.	303
Zhila, T. I.	295
Zhivukhin, S. M.	261
Zhukov, I. I.	255
Ziebell, G.	248
Ziebland, H.	265
Ziegler, K.	262 263
Ziemer, W.	282
Zimin, I. P.	314
Zimmermann, L.	284
Zinov'ev, N. V.	308
Zitare, I. Ya.	245
Znosko, J.	268
Zobel, H.	28[illegible]
Zolotov, Yu. A.	280
Zolotova, I. N.	293
Zrelov, V. N.	295
Zubariev, Yu. P.	266
Zurkauskas, A.	317
Zylinski, T.	296
Zynkova, N. Ya.	248

JOURNAL INDEX

Journal — Page

- Academia Republicii Populare Romine. Filiala Cluj. Studii si Cercetari de Chimie (Rumania)
  - 1961, v. 12, no. 1, p. 165-167 — 259
- Academie des Sciences, Paris. Comptes Rendus (France)
  - 1912, v. 155, no. 5, p. 353-355 — 260
  - 1926, v. 182, p. 1340-1342 — 261
  - 1937, v. 205, p. 181-182 — 245
  - 1938, v. 207, p. 345-347 — 260
  - 1938, v. 207, p. 543-545 — 238
  - 1961, v. 252, p. 4139-4141 — 315
- Academie Royale de Medecine de Belgique. Memoirs
  - 1961, n.s. 2, v. 4, p. 69-148 — 238
- l'Academie Royale des Sciences (sic). Memoires,
  - 1739, p. 370-388 — 292
- Acta Medica Iugoslavica,
  - 1963, v. 17, no. 3, p. 229-351 — 225
- Acta Microbiologica Polonica,
  - 1959, v. 8, p. 283-287 — 235
- Acta Psychosomatica (Switzerland)
  - 1948, no. 1, p. 3-42 — 237
- Acta Zoologica Cracoviensia (Poland)
  - 1962, v. 7, no. 2, p. 23-28 — 251
- Adhäsion (West Germany)
  - 1963, v. 7, no. 11, p. 503-512 — 292
- Advanced Energy Conversion (England)
  - 1963, v. 3, p. 569-590 — 316
- l'Agricoltura Italiana,
  - 1960, n. s., v. 15, no. 9, p. 287-313 — 225
- Agrobiologiya (USSR)
  - 1959, no. 1, p. 146-147 — 223
  - 1959, no. 6, p. 924-928 — 223
  - 1960, no. 2, p. 268-272 — 223
  - 1960, no. 6, p. 936-938 — 222
- Akademiya Meditsinskikh Nauk SSSR. Vestnik,
  - 1963, v. 18, no. 12, p. 29-34 — 241
  - 1963, v. 18, no. 12, p. 43-51 — 235
  - 1963, v. 18, no. 12, p. 51-62 — 236
  - 1963, v. 18, no. 12, p. 84-89 — 236
  - 1964, v. 19, no. 2, p. 78-81 — 234
- Akademiya Nauk Armyanskoi SSR, Erevan. Doklady,
  - 1960, v. 30, no. 5, p. 257-263 — 303
- Akademiya Nauk Armyanskoi SSR, Erevan. Izvestiya,
  - 1953, v. 6, no. 2, p. 79-89 — 302
- Akademiya Nauk Armyanskoi SSR, Erevan. Izvestiya. Biologicheskie Nauk,
  - 1963, v. 16, no. 3, p. 19-26 — 240
- Akademiya Nauk Armyanskoi SSR Erevan. Izvestiya. Biologicheskie Nauki,
  - 1963, v. 16, no. 5, p. 7-13 — 247
- Akademiya Nauk Armyanskoi SSR, Erevan. Izvestiya. Seriya Fiziko-Matematicheskikh Nauk,
  - 1961, v. 14, no. 2, p. 7-16 — 301
- Akademiya Nauk Estonskoi SSR, Tallinn. Institut Fiziki i Astronomii. Trudy,
  - 1958, v. 7, p. 85-111 — 316
- Akademiya Nauk Kazakhskoi SSR, Alma Ata. Institut Mikrobiologii i Virusologii. Trudy,
  - 1959, no. 3, p. 45-60 — 224
- Akademiya Nauk Latviiskoi SSR, Riga. Institut Lesokhozyaistvennykh Problem i Khimii Drevesiny. Trudy,
  - 1959, v. 17, p. 105-114 — 300
- Akademiya Nauk Litovskoi SSR, Vilna. Geologijos ir Geografijos Institutas. Moksliniai Pranesimai
  - 1962, v. 14, no. 1, p. 59-75 — 267
- Akademiya Nauk Litovskoi SSR, Vilna. Institut Stroitel'stva i Arkhitektury. Sbornik Statei,
  - 1962, no. 12 — 292
- Akademiya Nauk Litovskoi SSR, Vilna. Trudy. Seriya B,
  - 1961, no. 4(27), p. 197-200 — 317
- Akademiya Nauk SSSR,
  - 1959, p. 35-44 — 265
- Akademiya Nauk SSSR. Doklady,
  - 1949, v. 67, no. 5, p. 867-869 — 259

Journal — Page

- Akademiya Nauk SSSR. Doklady, (con.)
  - 1953, v. 90, no. 4, p. 521-523 — 315
  - 1955, v. 100, no. 1, p. 93-96 — 276
  - 1955, v. 102, no. 2, p. 383-387 — 234
  - 1958, v. 118, no. 3, p. 461-463 — 315
  - 1958, v. 123, no; 1, p. 152-155 — 268
  - 1959, v. 128, no. 4, p. 767-768 — 255
  - 1959, v. 129, no. 1, p. 224-228 — 234
  - 1960, v. 132, no. 6, p. 1307-1310 — 314
  - 1961, v. 137, no. 2, p. 323-326 — 302
  - 1961, v. 137, no. 2, p. 445-447 — 232
  - 1961, v. 139, no. 4, p. 933-935 — 314
  - 1962, v. 142, no. 1, p. 72-74 — 310
  - 1962, v. 145, no. 6, p. 1331-1334 — 253
  - 1962, v. 147, no. 3, p. 609-611 — 313
  - 1962, v. 147, no. 5, p. 1230-1233 — 222
  - 1963, v. 148, no. 3, p. 573-576 — 308
  - 1963, v. 149, no. 5, p. 1187-1189 — 249
  - 1963, v. 149, no. 6, p. 1278-1281 — 303
  - 1963, v. 150, no. 3, p. 547-550 — 259
  - 1963, v. 150, no. 3, p. 661-664 — 224
- Akademiya Nauk SSSR. Institut Genetiki. Trudy,
  - 1958, v. 24, p. 278-287 — 237
- Akademiya Nauk SSSR. Institut Goryuchikh Iskopaemykh. Trudy
  - 1939, v. 1, Ser. Genezisa, no. 1, p. 15-22 — 253
  - 1939, v. 1, Ser. Genezisa, no. 1, p. 23-28 — 253
  - 1939, v. 1, Ser. Genezisa, no. 1, p. 29ff — 253
  - 1959, v. 8, p. 14-20, 21-30, 45-50 — 294
- Akademiya Nauk SSSR. Institut Metallurgii, Moscow. Trudy,
  - 1957, no. 2, p. 54-64 — 308
  - 1963, no. 12, p. 45-48 — 269
- Akademiya Nauk SSSR. Institut Okeanologii. Trudy,
  - 1960, v. 40, p. 72-82 — 269
  - 1964, v. 73, 262p — B-13
- Akademiya Nauk SSSR. Institut Radiotekhniki i Elektroniki. Rept-150-03-58(II) Moscow,
  - 1958, p. 1-66 — 285
- Akademiya Nauk SSSR. Izvestiya. Energetika i Transport,
  - 1963, no. 1, p. 58-71 — 316
- Akademiya Nauk SSSR. Izvestiya. Mekhanika i Mashinostroenie
  - 1961, no. 3, p. 161-162 — 311
  - 1962, no. 3, p. 160-163 — 302
- Akademiya Nauk SSSR. Izvestiya. Seriya Biologicheskaya,
  - 1961, v. 26, no. 5, p. 717-728 — 224
- Akademiya Nauk SSSR. Izvestiya. Seriya Geograficheskaya,
  - 1963, no. 3, p. 16-25 — 267
  - 1963, no. 3, p. 26-34 — 266
  - 1963, no. 3, p. 71-76 — 267
  - 1963, no. 3, p. 84-89 — 267
- Akademiya Nauk SSSR. Izvestiya. Seriya Matematicheskaya
  - 1960, v. 24, no. 1, p. 43-74 — 301
  - 1960, v. 24, p. 825-864 — 301
  - 1961, v. 25, p. 87-112 — 300
- Akademiya Nauk SSSR. Krymskaya Astrofizicheskaya Observatoriya. Izvestiya,
  - 1963, v. 30, p. 141-147 — 225
- Akademiya Nauk SSSR. Laboratoriya Geologiya Dokembriya. Trudy,
  - 1961, no. 10 — 267
- Akademiya Nauk SSSR. Matematicheskii Institut. Trudy
  - 1961, v. 60, p. 42-81 — 300
  - 1962, v. 66, p. 113-135 — 301
  - 1962, v. 66, p. 136-146 — 301
  - 1962, v. 66, p. 147-165 — 301
  - 1962, v. 68, p. 3-88 — 300
- Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya,
  - 1951, no. 1, p. 53-56 — 316
- Akademiya Nauk SSSR. Otdelenie Tekhnicheskikh Nauk. Izvestiya: Metallurgiya i Toplivo,
  - 1962, no. 4, p. 70-77 — 303
  - 1962, v. 32, no. 5, p. 9-14 — 305
- Akademiya Nauk SSSR. Sektor Fiziko-Khimicheskogo Analiza. Izvestiya (USSR)
  - 1962, v. 3, p. 14-41, 461-462 — 255

Journal — Page

- Akademiya Nauk SSSR. Sektor (con.) Fiziko-Khimicheskogo Analiza. Izvestiya,
  - 1947, v. 15, p. 47-57 — 232
- Akademiya Nauk SSSR. Zoologicheskii Institut. Trudy,
  - 1954, v. 15, p. 138-145 — 252
- Akademiya Nauk Turkmenskoi SSR, Ashkhabad. Izvestiya. Seriya Biologicheskikh Nauk,
  - 1963, no. 3, p. 38-42 — 229
- Akademiya Nauk URSR, Kiev. Dopovidi,
  - 1959, no. 8, p. 866-868 — 312
- Akademiya Nauk URSR, Kiev, Instytut Zoologii. Trudy,
  - 1955, v. 12, p. 37-53 — 251
  - 1955, v. 12, p. 68-82 — 251
- Akademiya Navuk BSSR Minsk. Vestsi Seryya Biyalagichnykh Navuk,
  - 1964, no. 1, p. 53-58 — 249
- die Aktive Kohle, Stuttgart,
  - 1953, p. 114-132 — 285
- Al'bom Aerofotosnimkov Ledovykh Obrazovanii na Moryakh, Leningrad,
  - 1960, 224p — 265
- Andreas Hofer-Hochdruck-Apparatebau G. m. b. H., Mulheim/Ruhr (Germany)
  - 1951 — 289
  - 14 Feb 52 — 289
- Angewandte Chemie (West Germany)
  - 1961, v. 73, no. 23, p. 745-751 — 252
- Annales de Physiologie Vegetale (France)
  - 1959, v. 1, no. 2, p. 179-187 — 223
- Annales de Physique (France)
  - 1960, ser. 13, v. 5, p. 469-508 — B-14
- Annali Sclavo (Italy)
  - 1963, v. 5, no. 1, p. 33-44 — 236
- Antibiotiki (USSR)
  - 1963, v. 8, no. 11, p. 1100-1105 — 244
  - 1963, v. 8, no. 12, p. 1071-1074 — 235
  - 1963, v. 8, no. 12, p. 1113-1116 — 245
  - 1964, v. 9, no. 3, p. 244-249 — 245
- Arbeitsbericht uber die Tatigkeit des Instituts fur Kreislaufforschung und Sportmedizin, Koln,
  - 1963 — 226
- Archiv for Pharmaci og Chemi (Denmark)
  - 1940, v. 47, p. 287-300 — 245
- Archiv fur Orthopadische und Unfall Chirurgie (Germany)
  - 1936, v. 37, p. 223-231 — 250
- Archiv und Berichte [sic]
  - 1943, p. 8-22 — 245
- Archivum Immunologiae et Therapiae Experimentalis (Poland)
  - 1964, v. 12, no. 4 — 237
  - 1964, v. 12, no. 5 — 237
- Archiwum Gornictwo i Hutnictwa (Poland)
  - 1955, v. 3, no. 3, p. 379-400 — 309
- Arhiv Bioloskih Nauka (Yugoslavia)
  - 1963, v. 15, no. 1/2, p. 1-99, 1P-4P — 225
- Arkhiv Biologicheskikh Nauk (USSR)
  - 1940, v. 60, no. 3, p. 100-101 — 240
- Arkhiv Patologii (USSR)
  - 1959, v. 21, no. 10, p. 72-74 — 241
  - 1964, v. 26, no. 2, p. 10-16 — 250
  - 1964, v. 26, no. 2, p. 44-50 — 242
- Aussenhandel (East Germany)
  - 1964, v. 14, no. 6, p. 35-42 — 291
- Avtomaticheskaya Svarka (USSR)
  - 1962, v. 15, no. 7, p. 68-70 — 305
- Avtomobilnaya Promyshlennost' (USSR)
  - 1963, v. 29, no. 8, p. 5-7 — 289
- Avtomobil'nye Dorogi (USSR)
  - 1962, v. 25, no. 7, p. 13-14 — 292
  - 1962, v. 25, no. 11, p. 15-16, 19 — 270
  - 1962, v. 25, no. 12, p. 22-23 — 291
- Bander, Bleche, Rohre (West Germany)
  - 1963, no. 2, p. 73-80 — 303
  - 1963, no. 6, p. 282-287 — 303
- Beitrage zur Geologischen Karte der Schweiz. Geotechnische Serie. Hydrologie,
  - 1958, no. 10 — 266

Journal	Page
Berg- und Hüttenmännische Monatshefte (Austria)	
1964, v. 109, no. 3, p. 114-119	310
1964, v. 109, no. 7, p. 237-242	303
Berner Tagwacht (Switzerland)	
1947, 23 Apr	242
Beton i Zhelezobeton (USSR)	
1959, no. 6, p. 262-266	291
1962, v. 8, no. 1, p. 21-25	291
Bezopasnost' Truda v Promyshlennosti (USSR)	
1963, v. 7, no. 6, p. 21-22	265
1963, v. 7, no. 7, p. 33-34	288
Biofizika (USSR)	
1963, v. 8, no. 1, p. 40-44	227
Biokhimicheskaya Ochistka Stochnykh Vod Predpriyatii Khimicheskoi Promyshlennosti, Moscow,	
1962, p. 223-231	288
Biokhimiya Chainogo Proizvodstva (USSR)	
1962, v. 9, p. 201-203	233
Biokhimiya Plodov i Ovoshchei (USSR)	
1951, no. 2, p. 67-83	224
1958, v. 4, p. 5-23	224
1959, v. 5, p. 259-276	224
Biologia (Czechoslovakia)	
1962, v. 17, no. 1, p. 26-34	231
Biologiai Kozlemenyek (Hungary)	
1960, v. 8, no. 2, p. 173-178	230
Biologicheskie Aspekty Kibernetiki Sbornik Rabot, Moscow,	
1962, p. 92-102	226
Biophysik [sic]	
1964, v. 1, no. 4, p. 225-259	B-14
Blagoobrobot v Atmosfere, Leningrad,	
1963, 315p.	B-13
Botanicheskii Zhurnal (USSR)	
1962, v. 47, no. 8, p. 1252-1260	223
Bulletin d'Information Scientifique et Technique (France)	
1958, no. 23, p. 11-12	313
der Bund (Switzerland)	
1947, 21 Mar.	242
Butsuri Tanko (Japan)	
1956, v. 9, no. 4, p. 146-150	268
Byulleten Eksperimental'noi Biologii i Meditsiny (USSR)	
1944, v. 17, no. 3, p. 58-60	247
1946, v. 21, no. 1/2, p. 42-44	242
1963, v. 56, no. 12, p. 52-55	233
1964, v. 57, no. 3, p. 94-97	230
Cahiers Internationaux de Sociologie (France)	
1959, v. 26, p. 165-170	318
Centre de Documentation Siderurgique. Circulaire d'Informations Techniques (France)	
1964, v. 21, no. 2, p. 517-521	309
Chemia Analityczna (Poland)	
1956, v. 1, p. 246-254	264
1957, v. 2, p. 176-182	254
1958, v. 3, p. 515-530	264
1959, v. 4, no. 1-2, p. 25-28	253
Chemical Society of Japan. Bulletin,	
1955, v. 28, no. 6, p. 446	262
Chemicke Listy (Czechoslovakia)	
1962, v. 56, p. 382-389	280
Chemicky Prumysl (Czechoslovakia)	
1957, v. 7(32) no. 6, p. 321-326	298
1961, v. 11(36) no. 6, p. 281-284	278
1962, v. 12(37) no. 2, p. 69-73	260
Chemische Industrie (West Germany)	
1960, v. 12, no. 2, p. 47-52	318
la Chimica e l'Industria (Italy)	
1963, v. 45, no. 12, p. 1478-1482	299
1964, v. 46, no. 1, p. 57	281
1964, v. 46, no. 2, p. 151-155	299
1964, v. 46, no. 2, p. 173	281
1964, v. 46, no. 3, p. 245-251	299
1964, v. 46, no. 3, p. 258-262	281
1964, v. 46, no. 4, p. 376-381	280
1964, v. 46, no. 4, p. 428-429	281
1964, v. 46, no. 5, p. 546-548	281
1964, v. 46, no. 7, p. 746-751	299
1964, v. 46, no. 8, p. 894-901	255
Chimica nell'Industria nell'Agricoltura, nella Biologia, nelle Realizzazioni Autarchiche e Corporative (Italy)	
1955, v. 31, no. 2	294
1955, v. 31, p. 234-240	255
Chimie des Peintures (Belgium)	
1957, v. 20, p. 105-111	296
Chiryo (Japan)	
1954, v. 36, p. 1301-1304	248

Journal	Page
Coimbra Univ. Escola de Farmacia. Boletin (Portugal)	
1961, v. 21, p. 153-163	243
Conference Générale des Poids et Mésures (no. 11) Paris, 11-20 Oct 60. Comptes Rendus des Séances,	
n. p., n. d.	317
Corrosion et Anticorrosion (France)	
1964, v. 12, no. 1, p. 9-14	311
Czapski-Eppenstein's Grundzuge der Theorie der Optischen Instrumente, 3d ed., n. p.,	
1924, chap. 9	315
Deistvie Izluchenii na Ionnye Struktury, Moscow,	
1962, 167p.	313
Denki Tsushin Gakkai Zasshi (Japan)	
1959, v. 42, p. 844-847	285
Deutsche Pharmazeutische Gesellschaft Mitteilungen (West Germany)	
1963, v. 33, no. 5, p. 77-82	244
Deutscher Chemikerverein, Monographien [sic]	
1959, v. 32, p. 74-82	265
Dinamika Ruslovykh Potokov, Leningrad,	
1962, 374p.	303
Dingler's Polytechniches Journal (Germany)	
1870, v. 197, p. 343-346	292
Doklady: Soobshcheniya na Mezhdunovodnum Simpoziume po Issledovaniyu Luni (IAU Symposium on the Moon) Pilkova,	
1960	225
l'Eau (France)	
1954, v. 41, no. 2, p. 27-32; no. 4, p. 71-72; no. 7, p. 127-133; no. 9, p. 163-166; no. 12, p. 233-237	303
Eclogae Geologicae Helvetiae,	
1958, v. 51, p. 767-774	268
Eisei Shikenjo Hokoku (Japan)	
1960, no. 78, p. 33-34	314
Electrotechniek (Netherlands)	
1962, v. 40, no. 5, p. 99-110	286
Endokrynologia Polska,	
1963, v. 14, no. 5/6	237
European Spatial Research Organisation. Technical Notice Program of Requirements Doc. R. 1282,	
May 63, 133p.	317
Experientia (Switzerland)	
1956, v. 12, p. 365-368	230
Experientia. Supplementur (Switzerland)	
1957, v. 7, p. 291-305	262
Farbenfabriken Bayer A. G. (West Germany)	255
Farmakologiya i Toksikologiya (USSR)	
1963, v. 26, no. 3, p. 358-361	248
1963, v. 26, no. 3, p. 361-365	245
1963, v. 26, no. 6, p. 674-676	246
1963, v. 26, no. 6, p. 678-684	243
1964, v. 27, no. 1, p. 15-16	242
1964, v. 27, no. 1, p. 36-42	245
1964, v. 27, no. 1, p. 100-102	243
Farmatsevtychnyi Zhurnal (USSR)	
1961, v. 16, no. 4, p. 15-16	248
Fédération des Sociétés de Gynecologie et d'Obstetrique de Langue Francaise. Bulletin	
1952, v. 4, no. 3, p. 568-577	227
Fizicheskaya Gazodinamika, Teploobmen i Termodinamika Gazov Vysokikh Temperatur, Moscow,	
1962, p. 251-260	316
Fizika Metallov i Metallovedenie (USSR)	
1959, v. 8, no. 1, p. 90-94	306
1959, v. 8, no. 4, p. 535-542	306
1961, v. 11, no. 6, p. 944-945	303
1963, v. 15, no. 1, p. 82-90	305
Fiziologicheskii Zhurnal SSSR,	
1940, v. 29, no. 1/2, p. 3-14	237
1964, v. 50, no. 2, p. 153-161	229
1964, v. 50, no. 2, p. 211-216	228
1964, v. 10, no. 3, p. 301-306, 308-312, 360-365, 379-382, 390-396, 403-411, 416-418	226
Fiziologiya Rastenii (USSR)	
1955, v. 2, no. 5, p. 505-508	224
1958, v. 5, no. 6, p. 541-560	223
1959, v. 6, no. 2, p. 221-223	233
1060, v. 7, no. 5, p. 537-546	234
1960, v. 7, no. 6, p. 665-672	224
1961, v. 8, no. 4, p. 476-481	222
1962, v. 9, no. 5, p. 534-541	223

Journal	Page
Forschungsberichte des Landes Nordrhein-Westfalen (West Germany)	
1958, no. 499, p. 5-22	295
1960, no. 897, p. 72-75	259
Gan No Rinsho (Japan)	
1963, v. 9, no. 10	244
Ganseki Kobutsu Kosho Gakkaishi (Japan)	
1957, v. 41, no. 1, p. 23-26	268
Geodeziya i Kartografiya (USSR)	
1964, no. 6, p. 3-6	266
Geodezja Dynamiczna (Warsaw)	
1953, 380p.	266
Geofizicheskie Metody Razvedki v Arktike (USSR)	
1962, no. 4, p. 10-20, 61-74	267
Geofizicheskii Byulleten' (USSR)	
1962, no. 12, p. 61-68	265
1962, no. 12, p. 74-80	266
Geokhimiya, Mineralogiya i Geneticheskie Tipv Mestorozhdenii Redkikh Elementov, v. 1, Geokhimiya Redkikh Elementov; v. 2, Mineralogiya Redkikh Elementov.	B-14
Geologiya i Geofizika (USSR)	
1963, no. 5, p. 130-133	268
Giesserei (West Germany)	
1964, v. 51, no. 8, p. 194-199	305
Gigiena i Toksikologiya Novykh Pestitsidov i Klinika Otravlenii, Moscow,	
1962, chap. 5, p. 188-256	245
Gigiena Truda i Professional'nye Zabolevaniya (USSR)	
1963, v. 7, no. 12, p. 8-15	238
Glavnyi Botanischeskii Sad, Pushkinskoe. Byulleten' (USSR)	
1961, v. 40, p. 57-63	234
1961, v. 8, p. 162-195	234
Glowny Instytut Gornictwa. Komunikat (Poland)	
1953, no. 134, Ser. A, p. 1-42	287
1954, no. 159, Ser. A, p. 1-34	287
Glubinnoe Seismicheskoe Zondirovanie Zemnoi Kory v SSSR, Sbornik Dokladov, Leningrad,	
1962, p. 36-186	269
1962, p. 187-342	269
1962, p. 342-438, 448-492	269
Gmelin's Handbuch der Anorganischen Chemie, 8th ed., Berlin,	
1955, v. 44, sect. Thorium and Isotopes, p. 44-46	254
1957, no. 23, p. 186-187	255
Gornyi Zhurnal (USSR)	
1963, no. 5, p. 46-53	270
Gosudarstvennyi Gidrologicheskii Institut. Trudy (USSR)	
1961, v. 91, p. 5-13	288
Gosudarstvennyi Komitet po Delam Stroitel'stva. Stroitel'nye Normy i Pravila, pt. 2, sect. B, chap. 11, Nagruzki i Vozdeistviya; Normi Proektirovaniya, Moscow,	
1962	284
Gosudarstvennyi Pedagogicheskii Institut, Leningrad. Uchenye Zapiski (USSR)	
1959, v. 169, p. 255-263	315
Hartman & Braun, A. G., Frankfurt/Main, n. d.	253
Heat-Resisting Materials from Sintered Aluminum Powders, Moscow,	
1961, p. 50-58	311
Helvetica Chimica Acta (Switzerland)	
1944, v. 27, p. 576-584	262
Hiroshima Univ. Journal of Science. Series A. (Japan)	
1955, v. 19, no 1, p. 137-156	302
Hutnicke Listy (Czechoslovakia)	
1960, v. 15, no. 12, p. 923-929	307
1961, v. 16, no. 5, p. 318-324	307
1962, v. 17, no. 6, p. 425-430	307
Hutnik (Czechoslovakia)	
1962, v. 12, no. 1, p. 5-8	308
1962, v. 12, no. 11, p. 526-527	306
1963, v. 13, no. 5, p. 225-230	304
1963, v. 13, no. 10, p. 483-488	310
I. G. Farbenindustrie A. G., Bitterfeld (Germany)	255
I. G. Farbenindustrie A. G., Ludwigshafen (Germany)	
21 Apr 41. Chemical Research Reports. Part I	282

Journal	Page
I. G. Farbenindustrie A. G.., Ludwigshafen (Germany)	
6 July 40. Chemical Research Reports. Part III,, no. 49. (con.)	282
Chemical Research Reports. Part V	282
24 June 41. (Technical Oil Mission, Reel 27, Bag 2077-15, Frames 15..89-15..98)	284
7 July 41. Chemical Research Reports. Part IV	284
I. G. Farbenindustrie A. G., Urdingen (Germany)	
n. d.	262
Igaku to Seibutsugaku (Japan)	
1949, v. 14, no. 1, p. 26-28	232
1949, v. 14, no. 1, p. 28-29	240
1949, v. 14, no. 1, p. 30-33	236
1949, v. 14, no. 1, p. 34-36	244
Igiene Mentale (Italy)	
1959, v. 3, no. 1, p. 3-41	238
Individual'noe Oborudovaie SIO-60 dlya Mnogokanal'nykh Sistem Dal'nei Svyazi, Moscow,	
1964, p. 4-64	B-13
Informator Sluzby Informacji Naukowo-Technicznej i Ekonomicznej, Warsaw,	
1960	318
Institut Epidemiologii, Mikrobiologii i Gigieny, Leningrad. Trudy (USSR)	
1959, v. 20, p. 106-123	236
1959, v. 20, p. 124-129	236
Institut za Nuklearne Nauke. Bilten (Yugoslavia)	
1964, v. 15, no. 2, p. 63 151	313
Institut za Vodoprivredu "Jaroslav Cerni". Saopstenja (Yugoslavia)	
1964, v. 11, no. 30, p. 1-94	287
1964, v. 11, no. 31, p. 1-67	284
Institute of Building Research, Warsaw. Research and Scientific Studies, Series E: Building Construction (Poland)	
1949, no. 5	285
Instytut Badawczy Lesnictwa. Prace (Poland)	
1946, no. 47, p. 128ff (rev. 1962)	251
International Symposium on Mining Research. Rolla, Mo. (U.S.)	
22-25 Feb 61. Proceedings, v. 1	287
22-25 Feb 61. Proceedings, v. 2	287
Inzhenerno-Fizicheskii Zhurnal (USSR)	
1959, v. 2, no. 9, p. 97-100	316
Inzhenernyi Zhurnal (USSR)	
1964, v. 4, no. 2, p. 219-224, 251-253, 263-274, 302-309, 357-364, 368-375, 392-423	270
Issledovanie Konvektivnykh Dvizhenii v Svobodnoi Atmosfere, Moscow,	
1961, 262p.	266
Issledovanie Omicheskogo Nagrevaniya Plasmy v Toroidal'nykh Ustanovkakh Tomamak (Rept. IAE-684)	
1964, 56p.	B-13
Issledovanie Ustoichivosti Plazmy v Ustanovke PR-5 (Rept. IAE-658)	
1964, 28p.	B-13
Issledovaniya po Gigiene Truda i Professional'noi Patologii, v. 75, Leningrad,	
1963, p. 7-56, 62-68, 74-90, 94-118, 132-143, 231-251.	B-13
Issledovaniya po Zharoprochnym Splavam (USSR)	
1960, v. 6, p. 3-16	316
1960, v. 6, p. 17-24	315
1960, v. 6, p. 29-33	315
1960, v. 6, p. 140-145	312
Instituto Biochimico Italiano, Milan. Archivio	
1937, v. 9, p. 3-18	231
Izvestiya Vysshikh Uchebnykh Zavedenii. Chernaya Metallurgiya (USSR)	
1960, no. 7, p. 49-53	306
1960, no. 8, p. 29-33	306
1961, no. 4, p. 38-45	307
1961, no. 5, p. 132-138	312
1962, no. 11, p. 202-208	303
1963, v. 6, no. 1, p. 42-48	306
1963, no. 6, p. 32-34	308
1964, v. 7, no. 7, p. 43-47	308
Izvestiya Vysshikh Uchebnykh Zavedenii. Khimiya i Khimicheskaya Tekhnologiya (USSR)	
1961, v. 4, p. 1041-1042	264
Izvestiya Vysshikh Uchebnykh Zavedenii. Lesnoi Zhurnal (USSR)	
1961, v. 4, no. 2, p. 102-111	289
1961, v. 4, no. 2, p. 112-120	271
Izvestiya Vysshikh Uchebnykh Zavedenii. Mashinsotroenie (USSR)	
1963, no. 7, p. 190-196	294
Izvestiya Vysshikh Uchebnykh Zavedenii. Pishchevaya Tekhnologiya (USSR)	
1963, no. 2, p. 47-51	288
Izvestiya Vysshikh Uchebnykh Zavedenii. Priborostroenie (USSR)	
1959, v. 2, no. 1, p. 34-37	314
Izvestiya Vysshikh Uchebnykh Zavedenii. Tekhnologiya Legkoi Promyshlennosti (USSR)	
1963, no. 3(33) p. 70-75	295
Izvestiya Vysshikh Uchebnykh Zavedenii. Tekhnologiya Tekstil'noi Promyshlennosti (USSR)	
1963, v. 7, no. 1, p. 103-109	295
Izvestiya Vysshikh Uchebnykh Zavedenii. Tsvetnaya Metallurgiya (USSR)	
1963, v. 6, no. 5, p. 1-159	311
Japanese Journal of Medical Science and Biology	
1953, v. 6, no. 6, p. 659-666	237
Jernkontorets Tekniska Rad. Meddelander (Sweden)	
1954, v. 18, no. 203, p. 263-290	306
Journal de Chimie Physique (France)	
1956, v. 53, no. 4, p. 369-379	314
Journal für die Reine und Angewandte Mathematik (Germany)	
1883, v. 94, no. 1, p. 41-73	301
Journal of Biochemistry (Japan)	
1929, v. 6, p. 335-366	231
Kazanskii Meditsinskii Zhurnal (USSR)	
1941, v. 37, no. 1, p. 80-83	235
Khimicheskaya Promyshlennost' (USSR)	
1961, no. 9, p. 644-650	279
1962, no. 11, p. 781-788	278
Khimicheskie Volokna (USSR)	
1960, no. 6, p. 22-24	295
Khimiya Drevesiny i Tsellyulozy, Moscow/Leningrad,	
1962, 711p.	B-14
Khimiya i Tekhnologiya Topliv i Masel (USSR)	
1963, v. 8, no. 6, p. 52-57	294
1963, v. 8, no. 7, p. 6-12	294
1963, v. 8, no. 11, p. 57-61	295
Khirurgiya (USSR)	
1964, v. 40, no. 1, p. 93-98	242
1964, v. 40, no. 2, p. 6-11	240
Kholodil'naya Tekhnika (USSR)	
1961, v. 38, no. 3, p. 18-23	287
Kinetika i Kataliz (USSR)	
1962, v. 3, no. 5, p. 691-697	263
Klinicheskaya Meditsina (USSR)	
1952, v. 20, no. 5/6, p. 83-87	239
1963, v. 41, no. 6, p. 38-43	238
Koks i Khimiya (USSR)	
1963, no. 6, p. 27-31	280
1963, no. 7, p. 33-36	283
1963, no. 8, p. 10-14	279
1963, no. 8, p. 14-19	277
1963, no. 8, p. 27-30	277
Koks, Smola, Gaz (Poland)	
1962, v. 7, no. 6, p. 219-226	279
1963, v. 8, no. 7, p. 38-41	280
Kompleksnye Soedineniya Urana, Moscow,	
1964, 491p.	B-13
Konferentsiya Vysokomolekulyarnym Soedineniyam. (Conference on Hich-Molecular Compounds. Proceedings)	
1943, Trudy, v. 1,	
1945, p. 23-24	261
Konstruktsiya Letatel'nykh Apparatov, Moscow,	
1963, p. 85-113, 124-386, 445-464	271
Kora Vyvetrivaniya (USSR)	
1963, no. 5, p. 120-126	267
Kozhevenno-Obuvnaya Promyshlennost' (USSR)	
1962, v. 4, no. 7, p. 33-34	295
Krolikovodstvo i Zverovodstvo (USSR)	
1963, v. 6, no. 5, p. 18-19	231
1963, v. 6, no. 9, p. 18-22	231
Kunststoffe (West Germany)	
1956, v. 46, no. 6, p. 262-269	299
Kurzes Handbuch der Ophthalmologie, 5 ed.,	
n.p., n.d.	238
Kuznechno-Shtampovochnoe Proizvodstov (USSR)	
1964, v. 6, no. 8, p. 18-19	294
Kwartalnik Geologiczny (Poland)	
1962, v. 6, no. 3, p. 485-511	268
Lakokrasochnye Materialy i Ikh Primenenie (USSR)	
1962, no. 1, p. 20-25	311
Len i Konoplya (USSR)	
1962, v. 7, no. 6, p. 1-4	222
Leningrad Univ. Vestnik (USSR)	
1960, v. 15, no. 22, Seriya Fizika i Khimii no. 4, p. 126-129	313
Leningrad Univ. Vestnik (USSR)	
1964, v. 19, no. 1, Seriya Matematiki, Mekhaniki i Astronomii, no. 1, p. 130-141	287
Lijecnicki Vjesnik (Yugoslavia)	
1963, v. 85, no. 10, p. 1077-1164	225
Lineinye Uravneniya Matematicheskoi Fiziki, Moscow,	
1964, 372p.	
Machine Translation,	
n.p., n.d., p. 3-32, 47-80	317
Magyar Tudomanyos Akademia Kozlemenyei sic	
1961, v. 24, no. 1-4, p. 207ff	316
The Manufacture of Aviation Gasoline in Germany,	
document 17, 18	280
document 19	276
document 28	294
Masloboino-Zhirovaya Promyshlennost' (USSR)	
1962, v. 28, no. 4, p. 17-19	281
1962, v. 28, no. 6, p. 11-13	281
1963, v. 29, no. 2, p. 29-32	283
Matematicheskii Sbornik (USSR)	
1956, v. 38(80), no. 1, p. 51-92	300
1958, v. 46(88), no. 2, p. 229-258	301
1959, v. 47(89), no. 4, p. 431-484	300
1961, v. 53(95), p. 73-136	300
1962, v. 57(99), p. 105-136	301
Materialprufung (West Germany)	
1964, v. 6, no. 2, p. 56-62	308
Materialy k IV S"ezdu Geograficheskogo Obshchestva SSSR (Congress of the Geographical Society) (no. 4) Leningrad	
1964	267
Meditsinskaya Parasitologiya i Parasitarnye Bolezni (USSR)	
1936, v. 5, no. 5, p. 937-941	252
1942, v. 11, no. 3, p. 11-14	245
Meditsinskaya Radiologiya (USSR)	
1963, v. 8, no. 12, p. 38-42	250
1964, v. 9, no. 1, p. 47-49	250
1964, v. 9, no. 1, p. 53-57	249
1964, v. 9, no. 2, p. 29-37	249
1964, v. 9, no. 2, p. 56-64	248
1964, v. 9, no. 2, p. 75-80	250
Mekhanicheskie Metody Ispytaniya sic (USSR)	
1949, no. 5, p. 576-580	312
Mekhanizatsiya i Avtomatizatsiya Proizvodstva (USSR)	
1963, v. 17, no. 7, p. 24	271
1963, v. 17, no. 10, p. 31-34	314
1964, v. 18, no. 2, p. 14-15	295
Mekhanizatsiya i Elektrifikatsiya Sotsialisticheskogo Sel'skogo Khozyaistva (USSR)	
1962, v. 20, no. 2, p. 16ff	221
1962, v. 20, no. 5, p. 56ff	222
1962, v. 20, no. 6, p. 15ff	221
Memorial de l'Artillerie Francaise,	
1948, v. 22, p. 595-611	287
Metall-Reiningung Vorbehandlung (West Germany)	
1964, v. 13, no. 3, p. 48-52	296
Metallovedenie i Termicheskaya Obrabotka Metallov (USSR)	
1961, no. 8, p. 29-36	315
1962, no. 10, p. 22-23	305
1964, no. 5, p. 10-13	305
1964, no. 10, p. 57-58	306
la Metallurgia Italiana	
1963, v. 55, no. 9, p. 449-455	304

Journal	Page
Metalurgia y Electricidad (Spain)	
1951, v. 15, no. 167, p. 36-42, no. 168, p. 38-44, no. 170, p. 40-46	290
Metodi Rascheta Yadernykh Reaktorov, n. p., n. d.	B-14
Metrologia Wlokiennicza, Czesc I, Warsaw,	
1956	296
Mikrobiologichnyi Zhurnal (USSR)	
1963, v. 25, no. 5, p. 8-13	237
Mikrobiologiya (USSR)	
1945, v. 14, no. 3, p. 172-176	236
1957, v. 26, no. 5, p. 526-532	233
Mise en Forme de l'Uranium. Influence de la Mise en Forme sur la Microstructure et les Caracteristiques Mecaniques de l'Uranium et de l'Uranium Faiblement Allie, n. p., n. d., 28p.	B-13
Morfologiya i Patomorfologiya [sic] (USSR)	
n. d.	238
Morskie Gravimetricheskie Issledovaniya. Sbornik Statei (USSR)	
1963, no. 2 (1958-1960) p. 3-115.	B-13
Moscow Univ. Vestnik. Seriya 1: Matematika, Mekhanika (USSR)	
1963, v. 18, no. 2, p. 35-36	264
Moscow Univ. Vestnik. Seriya 3: Fizika, Astronomiya (USSR)	
1964, v. 19, no. 2, p. 52-55	225
Moscow U. Zoologicheskii Musei. Sbornik Trudov (USSR)	
1939, v. 5, p. 169ff	251
Moskovskaya Sel'skokhozyaistvennaya Akademiya. Doklady,	
1961, v. 72, p. 171-186	224
Moskovskoe Matematicheskoe Obshchestvo. Trudy (USSR)	
1962, v. 11, p. 3-35	301
Myasnaya Industriya SSSR,	
1961, v. 32, no. 3, p. 52-54	288
Neue Hütte (East Germany)	
1964, v. 9, no. 3, p. 165-171	296
1964, v. 9, no. 7, p. 390-397	310
Nihon Kinzoku Gakkai-Shi (Japan)	
1956, v. 20, no. 8, p. 424-427	306
Nihon Naika Gakkai Zasshi (Japan)	
1963, v. 52, no. 5, p. 534-535	239
Novoe o Lune, Leningrad/Pulkova,	
1960, chap. 16	225
Novoe v Tekhnologii Mashinostroeniya [sic] (USSR)	
1959, no. 1, p. 119-142	289
Novosti Neftyanoi i Gazovoi Tekhniki [sic] (USSR)	
1962, no. 8, p. 42-46	287
Novye Metody Restavratsii Knig Moscow, n. d.	318
Novye Vidy Drevnikh Rastenii i Bezpozvonochnykh SSSR, Moscow,	
1960, Pt. II, p. 136-159	268
Numerische Mathematik (West Germany)	
1964, v. 6, no. 1, p. 55-58	301
Obliczanie Otworow Mostow i Przepustow, Warsaw,	
1955, 302p.	285
Obogashchenie Rud (USSR)	
1962, v. 7, no. 2, p. 6-11.	268
1962, v. 7, no. 6, p. 41	268
Observatoire du Puy de Dome. Bulletin (France)	
1959, no. 1, p. 7-10	269
Ochrona Roslin (Poland)	
1962, v. 6, p. 9-12	233
Office International d'Hygiene Publique, Paris. Bulletin Mensuel (France)	
1935, v. 27, p. 313-314	246
die Olfeuerung (West Germany)	
1961, v. 6, no. 4, p. 262-274	271
Optika i Spektroskopiya (USSR)	
1957, v. 2, no. 6, p. 681-688	314
Optiko-Akusticheskie Gazoanalizatory na Okis' Ugleroda, Dvuokis' Ugleroda i Metea, n. p., n. d.	B-13
Optiko-Mekhanicheskaya Promyshlennost' (USSR)	
1940, v. 10, no. 11, p. 10-11	292
Opyt Ekspluatatsii Kotel'nogo Oborudovaniya Pervoi Elektricheskoi Stantsii Sverkhvysokikh Parametrov Moscow,	
1959, 63p.	286

Journal	Page
Organizacja, Metody, Technika (Poland)	
1959, no. 4, p. 1	317
1959, no. 4, p. 2-5	318
Osnovy Konstitutsii Mineralov, Moscow,	
1962,	268
Osobennosti Pilotirovaniya Reaktivnykh Samoletov, Moscow,	
1962, 196p.	271
Ostschweizerisches Tagblatt (Switzerland)	
1947, 19 Apr.	242
Paleontologicheskii Zhurnal (USSR)	
1962, no. 3, p. 47-56	267
Paliva (Czechoslovakia)	
1963, v. 43, no. 9, p. 268-272	279
Patent (Austria)	
192 824	287
199 376	310
205 985	263
Patent (Belgium)	
433 112	310
442 575	259
447 044	259
449 653	273
454 540	275
503 549	297
525 162	272
525 535	273
535 235	263
540 863	274
543 452	273
543 452 add.	273
544 418	273
544 471	256
545 326	275
545 376	256
546 742	297
547 874	275
548 025	272
549 489	273
552 060	273
557 830	257
557 831	256
557 833	297
557 834	297
566 583 rev.	299
578 670	263
578 671	311
596 572	252
597 934	273
600 026	281
607 024	299
616 815	285
617 901	285
Patent (Canada)	
449 687	277
Patent (East Germany)	
26021	248
26571	298
26707	308
26722	299
29304	255
29606	315
30406	308
Patent (France)	
528 456	286
537 207	297
679 998	252
802 321	298
815 247	290
821 306	278
835 834	257
846 628	291
886 597	275
951 159	271
972 735	255
990 161	273
1 062 041	263
1 080 982 add.	308
1 101 682 rev.	298
1 114 501	289
1 124 515	294
1 142 158	298
1 156 356	275
1 156 395	273
1 161 824	298
1 166 173	298
1 166 607	297
1 166 608	298
1 166 652	297
1 166 653	297
1 184 272	277
1 187 247	272

Journal	Page
Patent (France) (con.)	
1 264 034	272
1 266 368	267
1 267 377	297
1 304 911	256
1 315 773	270
1 317 185	270
1 336 379	259
1 359 016	257
1 359 090	299
Patent (France) add.	
68 628	308
Patent (Germany)	
16273	290
115 722	289
135 875	290
138 531	255
231 800	290
364 519	255
537 696	260
537 716	311
635 397	279
665 790	257
668 952	296
668 952 add.	296
673 828	296
692 954	280
694 043	262
729 904	728
736 315	256
741 687	260
744 729	296
765 203 add.	258
812 314	257
821 207	260
832 152	259
832 882	261
887 642	278
888 007	262
889 695	296
893 241	253
896 641	278
912 863 add.	298
925 612	298
932 633	299
935 867	278
939 148	273
940 110	272
943 404	277
943 404 add.	277
946 435	285
947 550	252
947 571	308
949 049	286
951 003	282
953 067 add.	285
953 078	256
958 736	309
961 813	303
964 316	258
964 675	277
965 125	279
965 226	277
967 823	284
1 000 747	290
1 002 298	277
1 007 744	278
1 009 172	279
1 009 172 add.	278
1 010 516	277
1 010 516 add.	278
1 010 955	282
1 011 855	282
1 013 564	285
1 017 600	278
1 019 361	279
1 020 962	283
1 020 966	278
1 022 383	304
1 024 061	285
1 027 649	261
1 030 821	271
1 046 331	309
1 048 583	260
1 061 308	260
1 061 755	277
1 062 225	285
1 064 496	278
1 064 503	257
1 064 934	284
1 064 952	276
1 077 217	261
1 090 241	308
1 094 249	283
1 094 723	271

Journal	Page
Patent (Germany) (con.)	
1 095 268	283
1 099 519	383
1 105 395	272
1 109 156	278
1 117 092	272
1 123 837	311
1 128 832	292
1 161 587	314
Patent (Italy)	
402 961	290
469 574	259
491 942	277
491 942 add. 1	281
508 233	281
521 521	262
545 307	273
545 576	272
546 379	275
Patent (Japan) pub.	
31-7002	309
31-7021	304
33-4708	278
34-2275	279
34-2310	283
34-2311	280
34-2661	284
34-3768	281
34-4686	284
34-5581	282
34-5659	286
34-6619	281
34-10344	383
34-10619	279
35-3514	283
35-15682	282
Patent (Netherlands)	
47835	256
Patent (Norway)	
74890	261
Patent (Poland)	
47140	296
47522	304
47643	276
47680	259
47695	304
47811	292
47823	291
47919	291
48023	304
48280	259
Patent (Sweden)	
124 849	292
135 148	313
152 025	253
Patent (Switzerland)	
236 579	263
279 553	257
280 178	309
379 771	311
Patent (USSR)	
110 953	260
124 628	309
128 853	283
128 858	262
129 192	277
132 813	280
137 262	311
137 895	283
144 763	291
Patent application (Germany)	
B 245	256
B 3040 D	274
B 7567	258
B 15 286	258
B 18 532	272
B 18 680	274
B 19 500	274
B 20 158	258
B 20 371	259
B 20 761	261
B 21 108	274
B 21 133	274
B 22 576	275
B 22 899	273
B 23 004	256
B 23 526	257
B 24 041	256
B 24 110	276
B 24 574	258
B 25 064	296
B 25 145	272
B 28 386	256
B 30 527	257

Journal	Page
Patent application (Germany) (con.)	
B 31 855	256
B 32 614	274
B 32 974	298
B 196 683	258
C 2116	254
C 4171	291
C 4548	257
C 4871	297
C 10 060	273
C 20 835	274
D 5906	299
D 9614	275
D 10 161	274
D 11 711	274
D 11 797	274
D 83 082	259
D 85 928	259
D 89 511	275
F 2916	276
F 5731	273
F 6417	274
F 7154	274
F 8882	258
F 9159	295
F 9624	258
F 9973	282
F 10 231	295
F 10 974	257
F 11 407	276
F 11 430	276
F 11 560	275
F 12 298	299
F 12 585	297
F 12 647	297
F 12 669	296
F 12 976	256
F 12 977	298
F 12 992	258
F 13 053	258
F 14 286	275
F 14 557	258
F 15 172	254
F 15 173	254
F 15 175	254
F 15 431	275
F 15 521	297
F 16 407	298
F 16 448	274
F 17 373	276
F 17 717	297
F 171 427	272
G 16 399	256
H 7525	291
H 14 666	257
H 15 579	272
H 15 776	275
I 4186	277
I 71 744	258
I 73 726	292
I 75 598	276
I 75 976	297
I 78 329	292
I 125 947	291
M 5815	296
M 15 551	273
M 22 306	254
M 22 307	254
M 26 352	255
M 26 353	274
M 142 440	275
N 3020	297
N 6225	285
P 6343	281
P 54 857	282
R 9054	254
R 9640	259
R 9713	256
R 10 277	272
R 13 473	258
R 14 900	258
S 31 176	274
S 42 054	271
Sch 9697	255
Sch 11 832	262
St 8190	259
U 1413	273
V 4275	257
W 1016	258
W 7258	251
W 7659	259
Z 2679	262
Z 3966	263
Z 4190	263

Journal	Page
Patent application (Germany) (con.)	
Z 4191	263
Z 4192	263
Z 4846	262
Patologicheskaya Fiziologiya i Eksperimental'naya Terapiya (USSR)	
1963, v. 7, no. 6, p. 27-31	248
1963, v. 7, no. 6, p. 50-53	241
Pediatriya (USSR)	
1964, v. 43, no. 1, p. 37-43	241
Peredovnoi Nauchno-Tekhnicheskii i Proizvodstvennyi Opyt (USSR)	
1962 tema 30, no. PM-62-4/4 (no. 4) 28p.	234
Pharmaceutical Bulletin (Japan)	
1954, v. 2, no. 3, p. 287-291	254
Physiologia Plantarum (Denmark)	
1954, v. 7, no. 3, p. 538-547	234
Pitanie i Zdorovye Naseleniya, XIII Nauchnaya Sessiya (Tezisy Dokladov)	
3-7 Feb 59	231
Planta (West Germany)	
1934, v. 22, p. 190-220	B-14
Pochvovedenie (USSR)	
1947, no. 5, p. 265-276	265
1956, no. 4, p. 89-96	269
Politekhnicheskii Institut, Leningrad, Trudy (USSR)	
1958, no. 199, p. 26-47	310
1958, no. 199, p. 48-52	308
Polski Przeglad Radiologii i Medycyny Nuklearnej,	
1963, v. 27, no. 6	248
Polskie Towarzystwo Botaniczne. Acta Societatis Botanicorum Poloniae,	
1953, v. 22, no. 1, p. 133-168	224
1953, v. 22, no. 4, p. 737-752	224
1954, v. 23, no. 3, p. 487-504	223
1958, v. 27. no. 4, p. 523-540	234
Polymer Science (U. S.)	
1964, v. 60, p. 83-91	254
Pomiary, Automatyka, Kontrola (Poland)	
1962, v. 8, p. 355-358	317
Poroshkovaya Metallurgiya (USSR)	
1964, v. 4, no. 3, p. 23-28	310
Pozharnoe Delo (USSR)	
1963, v. 9, no. 11, p. 21-23	288
Pracovni Lekarstvi (Czechoslovakia)	
1957, v. 9, no. 6, p. 190-195	294
1961, v. 13, no. 12, p. 363-366	294
Priborostroenie (USSR)	
1963, no. 8, p. 21-23	263
Primenenie Radioaktivnykh Izotopov v Gidrotekhnicheskom Stroitel'stve, Moscow,	
1961, 163p	313
Primenenie Vakuuma v Metallurgii, Moscow,	
1963, p. 56-60	312
Priroda (USSR)	
1962, v. 51, no. 10, p. 47-51	233
1962, v. 51, no. 11, p. 47-50	269
1963, v. 52, no. 3, p. 36-39	313
Problemy Arktiki i Antarktiki (USSR)	
1963, no. 12, p. 21-32	266
Problemy Endokrinologii i Gormonoterapii (USSR)	
1964, v. 10, no. 1, p. 97-103	250
Problemy Gematologii i Perelivaniya Krovi (USSR)	
1964, v. 9, no. 1, p. 11-17	240
1964, v. 9, no. 1, p. 20-24	239
1964, v. 9, no. 2, p. 13-19	239
Problemy Kinetiki i Kataliza (USSR)	
1940, v. 4, p. 28-46	264
1940, v. 4, p. 125-133	264
1940, v. 4, p. 143-166	263
1940, v. 4, p. 167-184	264
Problemy Tuberkuleza (USSR)	
1932, no. 10, p. 633-642	238
Prykladna Mekhanika (USSR)	
1963, v. 9, no. 2, p. 126-132	302
Przeglad Gorniczy (Poland)	
1956, v. 12, no. 1, p. 5-11	270
1960, v. 16, no. 10, p. 502-506	290
1963, v. 19, no. 6, p. 242-247	287
Przemysl Chemiczny (Poland)	
1934, v. 18, p. 628-633	304
1960, v. 16(39) no. 8, p. 496-502	265
1961, v. 17(40) no. 5, p. 253-255	284
Psikhologiya i Pedagogika [sic]	
1956, v. 214, no. 9, p. 29-44	225
Ptitsy Sovetskogo Soyuza (USSR)	
1951, v. 2, p. 75-79	251

Journal	Page
Radiobiologiya (USSR)	
1963, v. 3, no. 3, p. 456-462	249
1963, v. 3, p. 711-716	249
1964, v. 4, p. 18-25	249
1964, v. 4, no. 1, p. 47-52	250
1964, v. 4, no. 1, p. 102-108	249
1964, v. 4, no. 1, p. 114-117	250
1964, v. 4, no. 4, 176p.	B-13
1964, v. 4, no. 5, 150p.	B-13
Rechnoi Transport (USSR)	
1962, v. 21, no. 11, p. 55-57	290
Relaksatsionnye Yavleniya v Metallakh i Splavakh. Trudy Mezhvuzovskogo Soveshchaniya, Moscow,	
1960, p. 138-145	307
Revista de Ciencia Aplicada (Spain)	
1962, v. 16, no. 1(84) p. 36-41	315
Revue de Métallurgie (France)	
1950, v. 47, no. 7, p. 547-557	305
Revue Generale de Mécanique (France)	
1955, v. 39, p. 39-45, 247-254, 395-400, 445-450;	
1956, v. 40, p. 81-87, 159-164	B-13
Revue Medicale Francaise	
1959, v. 40, no. 2, p. 161-171	245
Ribarstvo Jugoslavije [sic]	
1960, v. 15, no. 2, p. 37-40	241
Roczniki Chemii (Poland)	
1955, v. 29, no. 2/3, p. 921-925	252
1959, v. 33, no. 1, p. 133-144	260
Roczniki Nauk Rolniczych. Series A: Roslinna (Poland)	
1957, v. 74, no. 2, p. 287-314	251
Roczniki Panstwowego Zakladu Higieny (Poland)	
1957, v. 8, no. 5, p. 481-493	288
1959, v. 10, no. 4, p. 395-402	288
1960, v. 11, no. 4, p. 329-334	288
Royal Board for Water Developments, Stockholm (Sweden). Technical Bulletin-16,	
Jul 29	284
Rudy i Metale Niezelazne (Poland)	
1962, v. 7, no. 9, p. 414-418	255
Rungyo Shikenjo Kenkyu Hokoku (Japan) [sic]	
1963, no. 148	312
Sadovodstvo (USSR)	
1961, no. 4, p. 28-30	224
Sbornik Chekhoslovatskykh Khimicheskykh Rabot	
1964, v. 29, p. 478-484	262
Sbornik Statei po Obshchei Khimii (USSR)	
1953, v. 1, p. 179-185	263
Schweisstechnik (East Germany)	
1963, v. 13, no. 2, p. 55-56	309
Selektsiya i Semenovodstvo (USSR)	
1950, no. 6, p. 42-45	234
1950, no. 7, p. 42-44	234
1952, no. 1, p. 55-60	234
Shakhtnoe Stroitel'stvo (USSR)	
1963, v. 7, no. 6, p. 11-13	270
Small-sized Timber Research Commission, Helsinski (Finland) Publication-104,	
1960, 27p	300
Sociedad Espanola de Fisica y Quimica. Anales,	
1960, v. 56B, p. 253-262	261
1962, v. 58B, p. 295-314	261
Société Belge de l'Azote et des Produits Chimiques du Marly. Rapports, Bilan et Compte de Pertes et Profits, n.d.,	
Technical Rept-50	275
Societe Chimique de France, Bulletin,	
1951, p. 854-857	261
Societé de Biologie et de ses Filiales Comptes Rendus des Séances (France)	
1902, v. 54, p. 788-790	247
1916, v. 79, p. 352-354	246
1931, v. 108, p. 27-30	240
1931, v. 108, p. 1046-1048	228
1932, v. 109, p. 923-925	226
1933, v. 114, p. 1162-1164	227
1933, v. 114, p. 1164-1166	227
1933, v. 114, p. 1297-1299.	230
1935, v. 118, p. 577-580	227
1935, v. 120, p. 577-580	232
1936, v. 121, p. 1060-1062	228
1936, v. 122, p. 150-152	229
Société de Biologie et de ses Filiales. Comptes Rendus des Séances (France) (con.)	
1936, v. 122, p. 373-374	236
1936, v. 122, p. 652-654	235
1937, v. 125, p. 1027-1028	244
1937, v. 126, p. 635-637	244
1937, v. 126, p. 1264-1266	244
1938, v. 127, p. 39-42	247
1938, v. 127, p. 113-116	247
1938, v. 127, p. 116-118	247
1938, v. 127, p. 345-346	244
1938, v. 129, p. 1224-1225	227
1939, v. 130, p. 27-29	248
1939, v. 130, p. 29-31	243
1939, v. 130, p. 207-209	248
1939, v. 130, p. 209-211	248
1939, v. 130, p. 211-214	245
1939, v. 130, p. 429-430	247
1941, v. 135, p. 1133-1135	242
1942, v. 136, p. 349-350	228
1942, v. 136, p. 715-716	228
1942, v. 136, p. 752-753	227
1943, v. 137, no. 1/2, p. 74-75	228
1943, v. 137, no. 1/2, p. 101-102	247
1943, v. 137, p. 111	229
1943, v. 137, p. 134-135	227
1943, v. 137, p. 143	242
1943, v. 137, p. 171-172	232
1943, v. 137, p. 178-179	228
1943, v. 137, p. 214-215	243
1943, v. 137, p. 292-293	247
1943, v. 137, p. 305-307	247
1943, v. 137, p. 329-330	226
1943, v. 137, p. 332	243
1943, v. 137, p. 347-348	226
1943, v. 137, p. 396	236
1943, v. 137, p. 400-402	243
1943, v. 137, p. 500-501	233
1943, v. 137, p. 515-516	243
1943, v. 137, p. 630-631	246
1943, v. 137, p. 638-639	227
1943, v. 137, p. 657-659	244
1943, v. 137, p. 675-676	247
1943, v. 137, p. 688-689	244
1943, v. 137, p. 716-717	227
1943, v. 137, p. 744-746	229
1944, v. 138, no. 1/2, p. 58-59	229
1944, v. 138, p. 82-84	228
1944, v. 138, p. 109-111	229
1944, v. 138, p. 330-332	246
1944, v. 138, p. 480-482	246
1945, v. 139, p. 946-947	243
1947, v. 141, no. 3/4, p. 159-161	230
1947, v. 141, no. 11/12, p. 573-574	228
1948, v. 142, no. 5/6, p. 325-327	243
1948, v. 142, no. 5/6, p. 330-332	228
1949, v. 143, no. 13/14, p. 1032-1033	229
1949, v. 143, no. 17/18, p. 1217-1218	242
1949, v. 143, no. 17/18, p. 1259-1261	240
1949, v. 143, no. 17/18, p. 1264-1266	247
1950, v. 144, no. 1/2, p. 95-96	231
1950, v. 144, no. 3/4, p. 230-231	246
1951, v. 145, no. 15/16, p. 1151-1154	220
1952, v. 146, no. 5/6, p. 470-471	230
1953, v. 147, no. 19/20, p. 1610-1616	227
1954, v. 148, p. 419-422	231
1954, v. 148, no. 5/6, p. 431-435	243
1955, v. 149, no. 9/10, p. 1075-1077	245
1956, v. 150, no. 4, p. 675-677	250
1956, v. 150, no. 4, p. 790-792	226
1956, v. 150, no. 5, p. 959-963	226
1956, v. 150, no. 8/9, p. 1541-1544	228
1958, v. 152, no. 12, p. 1828	238
1959, v. 153, no. 11, p. 1728-1730	228
1962, v. 156, p. 400-402	238
Sogo Rinsho (Japan)	
1962, v. 11, p. 1360-1366	246
Sovetskaya Meditsina (USSR)	
1963, v. 27, no. 12, p. 22-30	240
1963, v. 27, no. 12, p. 30-33	239
1964, v. 27, no. 1, p. 41-45	242
1964, v. 27, no. 3, p. 38-42	240
1964, v. 27, no. 4, p. 37-41	239
Sovetskii Vrachebnyi Zhurnal (USSR)	
1935, v. 39, no. 7, p. 583-586	235
Sovmestnaya Plasticheskaya Deformatsiya Raznykh Metallov, Moscow,	
1964, p. 3-272	B-13
Sovremennye Metody Mineralogicheskogo Issledovaniya Gornykh Porod, Rud i Mineralov Moscow,	
1957, p. 208-229	268
Stabilizatsiya i Uderzhanie Plasmy Elektromagnitnymi Polyame Vysokoi Chastoty (Rept. IAE-665)	
1964, 45p.	B-14
Stahl und Eisen (West Germany)	
1964, v. 84, no. 15, p. 909-913	309
Stal' (USSR)	
1962, v. 22, no. 9, p. 835-838	305
1963, v. 23, no. 1, p. 22-25	305
1963, v. 23, no. 2, p. 187-188	307
1963, v. 23, no. 5, p. 416-418	305
1963, v. 23, no. 6, p. 497-499	306
1963, v. 23, no. 6, p. 501-508	306
1963, v. 23, no. 6, p. 510-515	307
1963, v. 23, no. 6, p. 516-518	305
1963, v. 23, no. 6, p. 519-523	305
1963, v. 23, no. 6, p. 523-528	307
1963, v. 23, no. 6, p. 544-546	310
1963, v. 23, no. 6, p. 547-552	308
Staub (West Germany)	
1964, v. 24, no. 6, p. 205-210	309
Steklo i Keramika (USSR)	
1960, v. 17, no. 8, p. 22-25	293
1960, v. 17, no. 8, p. 37	294
1960, v. 17, no. 10, p. 22-25	293
1960, v. 17, no. 11, p. 21-22	293
1961, v. 18, no. 2, p. 34-35	294
1961, v. 18, no. 4, p. 11-13	293
1961, v. 18, no. 4, p. 32-33	293
1961, v. 18, no. 8, p. 18-22	294
1961, v. 18, no. 9, p. 7-12	293
1961, v. 18, no. 12, p. 7-8	292
1962, v. 19, no. 1, p. 20-22	293
1962, v. 19, no. 2, p. 23-26	293
1962, v. 19, no. 3, p. 15-18	293
1962, v. 19, no. 5, p. 14-16	293
1962, v. 19, no. 6, p. 32-33	293
1962, v. 19, no. 8, p. 3-8	293
1962, v. 19, no. 8, p. 9-11	293
1962, v. 19, no. 8, p. 35-37	293
1962, v. 19, no. 9, p. 4-7	293
1962, v. 19, no. 12, p. 1-3	293
Stroitel'stvo Truboprovodov (USSR)	
1963, v. 8, no. 5, p. 21-24	270
Studi Sassaressi (Italy)	
1962, v. 40, no. 1/2, p. 68-73	231
Sudostroeni (USSR)	
1961, v. 27, no. 4, p. 5-9	312
Swiss Federal Institute of Technology. Department of Industrial and Engineering Chemistry.	
4 Dec 61, Rept-3	279
25 Nov 61, Rept-5	279
Tanken (Japan)	
1957, v. 8, no. 3, p. 65-70	282
Tatarskaya Respublikanskaya Gosudarstvennaya Sel'skokhozyaistvennaya Opytnaya Stantsiya. Trudy (USSR)	
1961, v. 1, p. 105-120	224
Tekhnika Kino i Televideniya (USSR)	
1962, v. 6, no. 6, p. 59-62	253
1964, v. 8, no. 3, p. 7-14	296
Tekhnika v Sel'skom Khozyaistve (USSR)	
1962, v. 22, no. 8, p. 4ff.	222
1962, v. 22, no. 10, p. 43ff.	222
Tekhnologiya Chasvogo Proizvodstva, Moscow	
1956, 480p	290
Tekstil'naya Promyshlennost' (USSR)	
1962, v. 22, no. 12, p. 24-29	295
Teoriya Razvertyvayushchikh Sistem, Moscow/Leningrad,	
1963, 168p.	285
Teploenergetika (USSR)	
1959, v. 6, no. 1, p. 72-80	302
1959, v. 6, no. 4, p. 49-55	270
1961, v. 8, no. 5, p. 6-11	289
1963, v. 10, no. 5, p. 64-69	317
1963, v. 10, no. 7, p. 16-21	289
1963, v. 10, no. 8, p. 76-78	317
Teplovye Napryazheniya v Elementakh Turbomashin (USSR)	
1962, no. 2, p. 171-175	302
Teplovye Raschety Ventilyatsionnogo Vozdukha Vyrabotok s Tupikovym Zaboem v Glubokikh Ugol'nykh Shakhtakh, Moscow,	
1960, 145p.	271
Terapevticheskii Arkhiv (USSR)	
1963, v. 35, no. 1, p. 30-34	235
1963, v. 35, no. 12, p. 68-73	241
1964, v. 36, no. 3, p. 105-111	241
1964, v. 36, no. 4, p. 112-119	239

Journal	Page
Tetsu to Hagane (Japan)	
1958, v. 44, no. 9, p. 979-981	306
1958, v. 44, no. 9, p. 1062-1063	306
1959, v. 45, no. 9, p. 883-885	310
1959, v. 45, no. 10, p. 1158-1163	304
1961, v. 47, no. 3, p. 352-353	307
1961, v. 47, no. 4, p. 585-591	304
1963, v. 49, no. 10, p. 1459-1461	307
1963, v. 49, no. 10, p. 1507-1508	303
1963, v. 49, no. 10, p. 1508-1510	312
1963, v. 49, no. 10, p. 1627-1629	305
1963, v. 49, no. 10, p. 1635-1637	305
1964, v. 50, no. 3, p. 325-327	303
1964, v. 50, no. 3, p. 327-330	309
1964, v. 50, no. 3, p. 409-412	305
1964, v. 50, no. 3, p. 494-496	306
1964, v. 50, no. 3, p. 496-498	307
1964, v. 50, no. 4, p. 565-567	311
1964, v. 50, no. 4, p. 684-686	312
1964, v. 50, no. 12, p. 2004-2006	310
1964, v. 50, no. 12, p. 2006-2008	304
Tharandter Forstliches Jahrbuch (Germany)	
1936, v. 87, p. 369-412	234
Tonkosloinaya Khromatografiya, Moscow,	
1964, 175pp.	B-13
Traktory i Sel'khozmashiny (USSR)	
1950, v. 20, no. 11, p. 23-24	290
1962, v. 32, no. 3, p. 29-31	222
1962, v. 32, no. 3, p. 34ff.	222
1962, v. 32, no. 4, p. 3ff.	222
1962, v. 32, no. 5, p. 8ff.	221
1962, v. 32, no. 6, p. 20ff.	221
1962, v. 32, no. 6, p. 31ff.	222
1962, v. 32, no. 6, p. 34ff.	221
1962, v. 32, no. 7, p. 35ff.	221
1962, v. 32, no. 8, p. 5ff.	221
1962, v. 32, no. 11, p. 46ff.	221
1963, v. 33, no. 1, p. 29-30	222
1963, v. 33, no. 9, p. 4-6	290
Trudy Molodykh Nauchnykh Rabotnikov, Frunze,	
1958, p. 81-87	262
Trudy Neftyanogo Instituta (sic) (USSR)	
1955, no. 4, p. 148-155	280
Tsentral'naya Aerologicheskaya Observatoriya. Trudy (USSR)	
1962, no. 42, 155p.	269
Tsitologiya (USSR)	
1963, v. 5, no. 1, p. 61-68	226
Tsitologiya (USSR) (con)	
1964, v. 6, no. 1, p. 59-66	249
Tsvetnye Metally (USSR)	
1962, v. 35, no. 4, p. 34-40	311
1962, v. 35, no. 8, p. 30-36	268
Turbulentnyi Nagrev i Ustoichivost' Vysokotemperaturnoi Plotnoi Plasmy (Rept. IAE-667)	
1964, 44p.	B-13
Ugol' (USSR)	
1953, v. 28, no. 3, p. 32-37	269
1963, v. 38, no. 6, p. 37-39	266
1963, v. 38, no. 7, p. 32-34	265
1963, v. 38, no. 7, p. 34-36	265
1963, v. 38, no. 8, p. 20-23	265
1963, v. 38, no. 9, p. 22-26	265
Ugol' Ukrainy (USSR)	
1963, v. 7, no. 7, p. 10-12	270
1963, v. 7, no. 7, p. 13-14	266
1963, v. 7, no. 7, p. 15-16	271
1963, v. 7, no. 7, p. 33-35	271
1963, v. 7, no. 7, p. 48-49	266
1963, v. 7, no. 7, p. 49-50	266
1963, v. 7, no. 9, p. 25-26	270
Ukrains'kyi Naukovo-Doslidnyi Instytut Vohnetryviv. Sbornik Nauchnykh Trudov (USSR)	
1960, no. 3, p. 274-281	316
Ukrayins'kyi Biokhimichnyi Zhurnal (USSR)	
1963, v. 35, no. 3, p. 377-384	230
1963, v. 35, p. 428-435	230
1963, v. 35, no. 4, p. 528-534	233
1963, v. 35, no. 6, p. 841-851	232
1963, v. 35, no. 6, p. 881-887	232
1963, v. 35, no. 6, p. 924-930	229
1964, v. 36, no. 1, p. 46-51	232
1964, v. 36, no. 1, p. 80-87	230
Ukrayins'kyi Fizychnyi Zhurnal (USSR)	
1960, v. 5, no. 2, p. 268-269	266
1960, v. 5, no. 3, p. 358-362	316
1962, v. 7, no. 8, p. 826-833	316
Uralskii Nauchno-Issledovadelskii Institut Geologii, Razvedok i Issledovaniya Mineral'nogo Syr'ya. Trudy (USSR)	
1939, no. 4, 64p.	268
Urovni Yadra Rh^{104} Vozbuzhdaemye pri Zakhvate Teplovykh Neitronov, Moscow,	
1963 (IAE no. 517)	313
Uspekhi Biologicheskoi Khimii (USSR)	
1962, v. 4, p. 3-261	229
Uspekhi Fizicheskikh Nauk (USSR)	
1962, v. 78, no. 2, p. 181-265	270
Uspekhi Sovermennoi Biologii (USSR)	
1961, v. 51, no. 2, p. 204-219	251
Utility Model (Japan)	
176 907	270
Verein Deutscher Ingenieure, Zeitschrift (West Germany)	
1953, v. 95, no. 24, p. 802-809	286
1953, v. 95, no. 24, p. 811-817	286, 287
1953, v. 95, no. 24, p. 818-822	286
1953, v. 95, no. 24, p. 822-824	286
1953, v. 95, no. 24, p. 825-826	286
1953, v. 95, no. 24, p. 830-831	286
Verein Deutscher Ingenieure. Zeitschrift. Beiheft Verfahrenstechnik (Germany)	
1937, no. 6, p. 175-187	283
Vereinigung der Grosskesselbesitzer Mitteilungen (West Germany)	
1964, no. 88, p. 42-45	304
1964, no. 88, p. 45-52	286
Vestnik Elektropromyshlennosti (USSR)	
1960, v. 31, no. 10, p. 33-36	286
Vestnik Mashinostroeniya (USSR)	
1958, v. 38, no. 9, p. 14-17	289
1960, v. 40, no. 11, p. 23-32	302
1960, v. 40, no. 12, p. 21-26	270
Vestnik Sel'skokhozyaistvennoi Nauki (USSR)	
1961, v. 6, no. 6, p. 106-108	222
Veterinariya (USSR)	
1951, v. 28, p. 41-45	223
1964, v. 41, no. 5, p. 43-46	235
1964, v. 41, no. 8, p. 37-39	235
Virchow's Archiv für Pathologische Anatomie und Physiologie und Khimische Medizin (West Germany)	
1956, v. 328, p. 536-551	243
Virusnye Gemorragicheskie Likhoradki, Leningrad,	
1963, 292p.	241
Voenno-Morskoi Meditsinskii Sbornik (USSR)	
1944, v. 1, p. 109-118	246
Voprosy Ikhtiologii (USSR)	
1959, no. 13, p. 182-188	252
1963, v. 3, no. 2(27) p. 275-287	252
1963, v. 3, no. 2(27) p. 288-303	251
Voprosy Ispol'zovaniya Mineral'nogo i Rastitel'nogo Syr'ya Srednei Azii Tashkent	
1961, p. 55-58	291
Voprosy Kosmogonii (USSR)	
1963, v. 9, p. 203-213	225
Voprosy Meditsinskoi Khimii (USSR)	
1963, v. 9, no. 6, p. 614-621	233
1963, v. 9, no. 6, p. 643-646	232
1964, v. 10,no. 2, p. 197-201	233
Voprosy Onkologii (USSR)	
1964, v. 10, no. 1, p. 7-11	239
Voprosy Pitaniya (USSR)	
1963, v. 22, no. 5, p. 50-55	231
1963, v. 22, no. 6, p. 12-16	288
1964, v. 23, no. 1, p. 3-17	232
1964, v. 23, no. 2, p. 13-17	231
1964, v. 23, no. 2, p. 21-30	232
1964, v. 23, no. 2, p. 35-40	233
Voprosy Proizvodstva Stali (USSR)	
1961, v. 8, p. 55-69	307
1961, v. 8, p. 70-77	307
Voprosy Revmatizma (USSR)	
1964, v. 4, no. 1, p. 16-23	237
Vospryatie Cheloveka Chelovekom; Leningrad,	
1965, 100pp.	B-13
Vrach (USSR)	
1896, v. 17, no. 46, p. 1301-1303	238
Vrachebnoe Delo (USSR)	
1946, v. 26, no. 3/4, p. 105-106	239
1964, no. 2, p. 23-30	249
1964, no. 3, p. 34-38	241
Vrachebnyya Zapiski (USSR)	
1896, v. 3, no. 17/18, p. 303-312	240
Vsesoyuznyi Institut Gel'mintologii. Trudy (USSR)	
1963, v. 10, p. 63-67	223
Vsesoyuznyi Nauchno-Issledovatel'skii Institut [sic] Trudy (USSR)	
1960, v. 29, p. 313-323	317
Vsesoyuznyi Nauchno-Issledovatel'skii Institut Lesovodstva i Mekhanizatsii Lesnogo Khozyaistva, Sbornik Rabot po Lesnomu Khozyaistvu (USSR)	
1958, v. 34, p. 140-157	B-14
Vsesoyuznyi Nauchno-Issledovatel'skii Institut po Dobyche Nefti. Trudy (USSR [sic]	
1957, no. 10, p. 101-130	265
Vsesoyuznyi Nauchno-Issledovatel'skii Institut Sakharnoi Svekly. Byulleten' Nauchno-Tekhnicheskoi Informatsii (USSR)	
1959, no. 7, p. 82-87	223
Vysokomolekularnye Soedineniya (USSR)	
1962, v. 4, no. 4, p. 605-612	230
1963, v. 5, no. 7, p. 1080-1084	295
1964, v. 6, p. 896-900	252
Vysokotemperaturnye Metallokeramicheskie Materialy, AN UkrSSR,	
1962, p. 96-101	310
Wasserstoffperoxyd und die Perverbindungen (Hydrogen Peroxide and Related Compounds) 8th ed., Vienna,	
1951, p. 21-30	255
Wiadomosci Gornicze (Poland)	
1959, v. 10, no. 3, p. 88-90	290
die Wirtschaft Berlin (East Germany)	
1964, v. 19, no. 19, p. 12-13	291
Würzburg Univ. (Germany) Dissertation,	
1931	248
Zachmurzenie Polski and Burze w Polsce, Warsaw,	
1962, 85p.	B-14
Zagadnienia Drgan Nieliniowych (Poland)	
1960, v. 1	302
Zashchita Rastenii ot Vreditelei i Boleznei (USSR)	
1962, v. 7, no. 7, p. 47-50	222
Zavod za Geolosko i Geofizicko Istrazivanje N. R. Srbije. Vesnik. Serija C: Primenjena Geofizika (Yugoslavia)	
1962, v. 3, p. 5-99ff	267
Zavodskaya Laboratoriya (USSR)	
1949, v. 15, no. 11, p. 1308-1313	253
1960, v. 26, no. 5, p. 593-598	302
1962, v. 28, no. 11, p. 1324-1326	314
1963, v. 29, no. 12, p. 1407-1509	C-293
1964, v. 30, no. 1, p. 3-128; no. 2, p. 131-256; no. 3, p.259-384	C-296
1964, v. 30, no. 6, p. 753-755	309
1964, v. 30, no. 8, p. 1017-1019	302
1964, v. 30, no. 9, p. 1074	309
1964, v. 30, no. 9, p. 1074-1075	310
1964, v. 30, no. 9, p. 1119-1121	304
Zeitschrift für Analytische Chemie (West Germany)	
1964, v. 203, p. 265-272	254
Zeitschrift fur Elektrochemie (West Germany)	
1961, v. 65, p. 604-615	265
Zeitschrift fur Naturforschung (West Germany)	
1962, v. 17a.	313
Zeitschrift für Physik (West Germany)	
1963, v. 173, no. 3, p. 321-346	B-14
Zemedelska Technika (Czechoslovakia) sic	
1960, v. 6, no. 6, n.p.	223

Journal	Page
Zentralblatt für die Zuckerindustrie (Germany)	
1943, v. 51, no. 6, p. 37-38	288
Zentralblatt für Mineralogie Geologie und Paläontologie (Germany)	
1919, p. 293-299	269
Zeszyty Geograficze (Poland)	
1959, v. 1, p. 205-215	267
Zhizn' i Kosmos, Moscow,	
1963, 200p	226
Zhurnal Analiticheskoi Khimii (USSR)	
1963, v. 18, no. 5, p. 588-595	260
Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki (USSR)	
1964, v. 46, no. 4, p. 1157-1513; no. 5, p. 1517-1927; no. 6, p. 1920-2280	C-317
Zhurnal Fizicheskoi Khimii (USSR)	
1954, v. 28, no. 1, p. 51-59	264
1956, v. 30, no. 12, p. 2713-2723	264
1957, v. 31, no. 1, p. 72-82	312
1957, v. 31, no. 2, p. 328-339	312
1963, v. 37, no. 3, p. 517-524	264
1963, v. 37, no. 9, p. 1949-1957	263
Zhurnal Mikrobiologii Epidemiologii i Immunologii (USSR)	
1942, no. 3, p. 59-62	241
1943, no. 1, p. 36-43	239
1947, no. 5, p. 28-33	242
1963, v. 40, no. 2, p. 93-101	235
1963, v. 40, no. 5, p. 35-41	246
Zhurnal Mikrobiologii, (con) Epidemiologii i Immunobiologii (USSR)	
1963, v. 40, no. 10, p. 33-38	237
1964, v. 41, no. 2, p. 102-108	238
Zhurnal Neorganicheskoi Khimii (USSR)	
1961, v. 6, no. 8, p. 1891-1901	315
Zhurnal Obshchei Khimii (USSR)	
1937, v. 7, no. 12, p. 1721-1728	254
1945, v. 15, no. 7/8, p. 628-634	244
1947, v. 17, p. 1203-1207	261
1956, v. 26, p. 968-970	263
Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki (USSR)	
1963, no. 6, p. 3-6	314
1963, no. 6, p. 7-12	302
1963, no. 6, p. 108-112	314
1963, no. 6, p. 141-143	314
Zhurnal Tekhnicheskoi Fiziki (USSR)	
1963, v. 33, no. 7, p. 835-838	313
Zhurnal Vysshei Nervnoi Deyatel'nosti (USSR)	
1963, v. 13, no. 5, p. 798-815	237
1963, v. 13, no. 5, p. 859-869	229
1963, v. 13, no. 5, p. 882-891	227
1963, v. 13, no. 5, p. 939-945	226
Zoologicheskii Zhurnal (USSR)	
1962, v. 41, no. 10, p. 1477-1487	251
1964, v. 43, no. 2, p. 214-219	252

NUMBER INDEX

Number	Page
ACIC-TC-263	225
ACIC-TC-585. Pt. I.	269
ACIC-TC-585 Pt. II.	269
ACIC TC-585. Pt. III.	269
AD 255 398	312
AD-258 401	266
AD-259 240	289
AD-428 502	300
AD-603 696	225
AD 608 599	285
AD-608 600	311
AD-608 601	271
AD-608 602	316
AD-608 603	229
AD-608 604	314
AD-608 614	241
AD-608 650	226
AD-608 734	295
AD-608 751	271
AD-608 886	225
AD-608 931	269
AD-608 933	266
AD-608 948	288
AEC-tr-5872	316
AEC tr-6227/2	313
AEC tr-6286	316
AEC-tr-6340	313
AERDL-T-1758	266
AmMetSoc-M-TA-6	266
AmMetSoc-T-F-45	314
AmMetSoc-T-F-48	269
AmMetSoc-T-F-55	315
AmMetSoc-T-G-166	266
AmMetSoc-T-G-184	301
ATD-P-64-48	225
ATD-P-64-62	225
ATD-P-64-65	269
ATS-24R76R	253
ATS-55Q731	225
ATS-91R75R	253
ATS-92R75R	253
BISI-1643	306
BISI-3888	310
BISI-3889	309
BISI-3898	309
BISI-3907	310
BISI-3914	305
BISI 3915	304
BISI-3916	303
BISI-3918	311
BISI-3939	316
BPM-Trans. 1498	265
BPM Trans. 1597	317
BR-D-Trans-460	288
CE Trans-1575	286
CNRS-II 40	234
CNRS-II 41	234
CNRS-II 69	234
CNRS-II 208	223
CNRS-III 17	251
CNRS-III 81	237
CNRS III 129	251
CNRS-III 135	251
CNRS-III 271	241
CNRS-III 293	251
CNRS-VI 1027	312
CNRS-VIII 209	259
CNRS-VIII bis 239	254
CNRS-VIII bis 341	262
CNRS-X 607	285
CNRS-XV 64	302
CNRS-XV 74	302
CNRS-XVI 219	223
CNRS-XVII 173	290
CNRS-XVII 707	255
CNRS-XXIV 52	318
CNRS-XXIV 53	317
CNRS-XXV 328	268
CNRS-XXVII 184	230
CNRS-XXVII 204	314
CNRS-XXVIII 81	315
CNRS-XXIX 12	238
CNRS-XXX 11	268
CNRS-XXXIV 1	268
CNRS-G/R-917	306
CNRS-G/R-2601	305
CNRS-G/R-2602	307
CNRS-G/R-2603	307
CNRS-G/R-2604	305
CNRS-G/R-2605	305
CNRS-G/R-2606	307
CNRS-G/R-2607	306
CNRS-G/R-2608	306
CNRS-G/R-2609	307
CNRS-G/R-2610	305
CNRS-G/R-2611	305
CNRS-G/R-2612	307
CNRS-G/R-2613	310
CNRS-G/R-2614	308
CNRS-G/R-2615	306
CNRS-G/R-2616	305
CNRS-G/R-2617	305
CNRS-G/R-2618	306
CNRS-G/R-2619	305
CNRS-G/R-2620	306
CNRS-G/R-2621	314
CNRS-G/R-2622	302
CNRS-G/R-2623	302
CNRS-G/R-2624	303
CNRS-G/R-2625	314
CNRS-G/R-2626	316
CNRS-G/R-2627	306
CNRS-G/R-2628	307
CNRS-G/R-2629	307
CNRS-G/R-2630	310
CNRS-G/R-2631	308
CNRS-G/R-2632	306
CNRS-G/R-2633	308
CNRS-G/R-2634	268
CNRS-G/R-2635	268
CNRS-G/R-2636	302
CNRS-G/R-2637	295
CNRS-G/R-2638	314
CNRS-G/R-2639	291
CNRS-G/R-2640	270
CNRS-G/R-2641	290
CNRS-G/R-2643	226
CNRS-G/R-2644	263
CNRS-G/R-2645	294
CNRS-G/R-2646	270
CNRS-G/R-2647	305
CNRS-G/R-2648	233
CNRS-G/R-2649	234
CNRS-G/R-2650	234
CNRS-G/R-2651	251
CNRS-G/R-2652	269
CNRS-G/R-2653	265
CNRS-G/R-2654	234
CNRS-G/R-2655	224
CNRS-G/R-2656	231
CNRS-G/R-2657	224
CNRS-G/R-2658	223
CNRS-G/R-2659	222
CNRS-G/R-2660	222
CNRS-G/R-2661	222
CNRS-G/R-2662	224
CNRS-G/R-2663	224
CNRS-G/R-2664	224
CNRS-G/R-2665	223
CNRS-G/R-2666	223
CNRS-G/R-2667	224
CNRS-G/R-2668	224
CNRS-G/R-2669	237
CNRS-G/R-2670	224
CNRS-G/R-2671	233
CNRS-G/R-2672	223
CNRS-G/R-2673	223
CNRS-G/R-2674	223
CNRS-G/R-2675	224
CNRS-G/R-2676	224
CNRS-G/R-2677	234
CNRS-G/R-2678	270
CNRS-G/R-2679	271
CNRS-G/R-2680	270
CNRS-G/R-2681	270
CNRS-G/R-2682	265
CNRS-G/R-2683	265
CNRS-G/R-2684	265
CNRS-G/R-2685	266
CNRS-G/R-2686	265
CNRS-G/R-2687	266
CNRS-G/R-2688	265
CNRS-G/R-2689	266
CNRS-G/R-2690	265
CNRS-G/R-2691	266
CNRS-G/R-2692	288
CNRS-G/R-2693	271
CNRS-G/R-2694	270
CNRS-G/R-2695	271
CNRS-G/R-2696	277
CNRS-G/R-2698	277
CNRS-G/R-2699	279
CNRS-G/R-2700	283
CNRS-G/R-2701	280
CNRS-G/R-2702	280
CNRS-G/R-2704	315
CNRS-G/R-2705	270
CNRS-G/R-2706	287
CNRS-G/R-2707	259
CNRS-G/R-2708	263
CNRS-G/R-2709	222
CNRS-G/R-2710	222
CNRS-G/R-2711	221
CNRS-G/R-2712	221
CNRS-G/R-2713	221
CNRS-G/R-2714	222
CNRS-G/R-2715	221
CNRS-G/R-2716	221
CNRS-G/R-2717	222
CNRS-G/R-2718	222
CNRS-G/R-2719	221
CNRS-G/R-2720	222
CNRS-G/R-2721	221
CNRS-G/R-2722	222
CNRS-G/R-2723	221
CNRS-G/R-2724	222
CNRS-G/R-2725	222
CNRS-G/R-2726	295
CNRS-G/R-2728	267
CNRS-G/R-2729	267
CNRS-G/R-2730	266
CNRS-G/R-2731	267
CNRS-G/R-2732	267
CNRS-G/R-2733	268
CNRS-G/R-2734	268
CNRS-G/R-2735	269
CNRS-G/R-2736	232
CNRS-G/R-2737	267
CNRS-G/R-2738	267
CNRS-G/R-2739	268
CNRS-G/R-2740	312
CNRS-G/R-2741	270
CNRS-G/R-2742	235
CNRS-G/R-2743	313
CNRS-G/R-2744	255
CNRS-G/R-2745	263
CNRS-G/R-2746	249
CNRS-G/R-2747	246
CNRS-G/R-2748	253
CNRS-G/R-2749	249
CNRS-G/R-2750	233
CNRS-G/R-2751	248
CNRS-G/R-2752	245
CNRS-G/R-2753	259
CNRS-G/R-2754	269
CNRS-G/R-2755	303
CNRS-G/R-2756	311
CNRS-G/R 2758	292
CNRS-G/R-2759	291
CNRS-G/R-2760	263
CNRS-G/R-2761	264
CNRS-G/R-2762	294
CNRS-G/R-2763	292
CNRS-G/R-2764	293
CNRS-G/R-2765	293
CNRS-G/R-2766	293
CNRS-G/R-2767	293
CNRS-G/R-2768	293
CNRS-G/R-2769	293
CNRS-G/R-2770	293
CNRS-G/R-2771	293
CNRS-G/R-2772	293
CNRS-G/R-2773	293
CNRS-G/R-2774	293
CNRS-G/R-2775	293
CNRS-G/R-2776	294
CNRS-G/R-2777	294
CNRS-G/R-2778	294
CNRS-G/R-2779	293
CNRS-G/R-2780	293
CNRS-G/R-2781	293
CNRS-G/R-2782	293
CNRS-G/X-913	306
CNRS-G/X-914	307
CNRS-G/X-915	304
CNRS-G/X-916	304
CNRS-G/X-927	270
CNRS-G/X-928	287
CNRS-G/X-929	317
CNRS-G/X-930	294
CNRS-G/X-931	294
CNRS-G/X-932	279
CNRS-G/X-933	268
CNRS-G/X-951	307
CNRS-G/X-952	306
CNRS-G/X-953	308
CNRS-G/X-954	307
CNRS-G/X-955	280
CNRS-G/X-956	307
CNRS-G/X-957	260
CNRS-G/X-958	279
CSIRO Trans-6590	291
CSIRO Trans-6807	290
CSIRO Trans-6860	278
CSIRO Trans-6871	264
CSIRO Trans-6899	230
CSIRO Trans-6941	225
CTO-20	313
CTS(Chem)-361	281
CTS(Chem)-362	281
CTS(Chem)-363	299
CTS(Chem)-364	281
CTS(Chem)-365	280
CTS(Chem)-366	281
CTS(Chem)-368	281
CTS(Chem)-369	299
CTS(Chem)-370	299
CTS(Chem)-372	299
CTS(Chem)-374	255
CTS(Chem)-377	298
DSIR-NLL-M. 1692	317
DSIR-NLL-M. 1694	312
DSIR-NLL-M. 2238	313
DSIR-NLL-M. 2323	286
DSIR-NLL-M. 3488	311
DSIR-NLL-M. 3497	312
DSIR-NLL-M. 3499	315
DSIR-NLL-M. 3500	315
DSIR-NLL-M. 3508	312
DSIR-NLL-M. 3510	316
DSIR-NLL-M. 3511	315
DSIR-NLL-M. 3513	315
DSIR-NT-367	276
DSIS-T-401-R	313
EMF-VD-112A	238
EMF-VD-1354 E	232
	236
	240
	244
ENF-VD-112D	237
ETH-tr. 10	289
Euro-T.S. 124	317
Euro-T.S. 891. 431	271
FASEB-S-77-4	237
FASEB-S-171-4	231
FASEB-S-174-4	288
FASEB-S-178-4	230
FASEB-S-179-4	230
FASEB-S-181-4	233
FASEB-S-208-4	237
FASEB-S-231-4	232
FASEB-S-232-4	232
FASEB-S-233-4	229
FASEB-S-236-4	246
FASEB-S-238-4	243
FASEB-S-245-4	233
FASEB-S-247-4	232
FASEB-S-256-4	235
FASEB-S-259-4	244
FASEB-S-260-4	245
FASEB-S-263-4	250
FASEB-S-269-4	233
FASEB-S-281-4	240
FASEB-S-282-4	239
FASEB-S-293-4	237
FASEB-S-294-4	229
FASEB-S-296-4	227
FASEB-S-299-4	226
FASEB-S-304-4	227
FASEB-S-315-4	232
FASEB-S-320-4	247
FASEB-S-327-4	288

Number	Page
FASEB-S-337-4	250
FASEB-S-341-4	249
FASEB-S-344-4	240
FASEB-S-345-4	239
FASEB-S-348-4	248
FASEB-S-350-4	241
FASEB-S-360-4	231
FASEB-S-361-4	231
FASEB-S-367-4	232
FASEB-S-369-4	230
FASEB-S-370-4	239
FASEB-S-377-4	238
FASEB-S-384-4	241
FASEB-S-388-4	241
FASEB-S-389-4	235
FASEB-S-390-4	236
FASEB-S-391-4	236
FASEB-S-393-4	239
FASEB-S-394-4	242
FASEB-S-398-4	252
FASEB-S-399-4	242
FASEB-S-400-4	241
FASEB-S-401-4	249
FASEB-S-407-4	238
FASEB-S-408-4	239
FASEB-S-415-4	240
FASEB-S-418-4	245
FASEB-S-424-4	231
FASEB-S-426-4	232
FASEB-S-427-4	233
FASEB-S-430-4	229
FASEB-S-433-4	228
FASEB-S-434-4	242
FASEB-S-436-4	245
FASEB-S-438-4	243
FASEB-S-446-4	240
FASEB-S-447-4	229
FASEB-S-448-4	252
FASEB-S-449-4	251
FASEB-S-452-4	249
FASEB-S-454-4	250
FASEB-S-455-4	242
FASEB-S-464-4	249
FASEB-S-466-4	250
FASEB-S-467-4	249
FASEB-S-468-4	250
FASEB-S-471-4	250
FASEB-S-472-4	249
FASEB-S-473-4	249
FASEB-S-474-4	248
FASEB-S-475-4	250
FASEB-S-505-4	237
FASEB-S-517-4	249
FASEB-S-521-4	234
FASEB-S-525-4	240
FASEB-S-530-4	230
FASEB-S-565-4	233
FASEB-S-578-4	241
FASEB-S-589-4	241
FASEB-S-593-4	239
FASEB-S-640-3	238
FPRB Trans-164	300
FTD-MT-63-200	226
FTD-MT-64-04	285
FTD-MT-64-16	311
FTD-MT-64-148	271
FTD-TT-63-1056	316
FTD-TT-63-1083	229
FTD-TT-63-1108	300
FTD-TT-63-1177	241
FTD-TT-63-1226	314
FTD-TT-64-392	295
FTD-TT-64-1018	271
HB-5507	306
HB-5672	310
HB-5822	312
HB-5823	307
HB-5824	305
HB-5825	310
HB-5848	311
HB-5854	303
HB-5870	304
HB-6080	309
HB-6195	310
HB-6221	305
HB-6243	296
HB-6246	308
HB-6261	303
HB-6268	309
HB-6282	296
HB-6284	305
HB-6287	304
HB-6293	305
HB-6314	305

Number	Page
HB-6322	309
HB-6326	304
HB-6330	308
HB-6331	310
HB-6332	310
HB-6340	286
HB-6341	303
HB-6352	303
HB-6367	309
HB-6369	294
HB-6379	312
HB-6385	306
HB-6388	311
HB-6392	303
HB-6396	302
HB-6397	309
HB-6398	304
HB-6405	307
HB-6406	312
HB-6417	306
HO-Trans-138	265
IGIS-22(RD/R)	313
JPRS-21348	267
JPRS-22450	245
JPRS-25758	291
JPRS-26316	234
JPRS-26417	270
JPRS-26444	226
KFK-tr-137	260
MCL-537	312
MCL-622	289
MTWL-1187	265
MTWL-1195	294
MTWL-1228	317
N64-29492	314
N64-29493	314
N64-29497	225
N64-29498	314
N64-29499	302
N64-29512	225
N64-30010	225
N64-30076	287
N64-30088	317
NAMRU-Trans-26	252
NASA-TT-F-141	269
NASA-TT-F-217	317
NASA-TT-F-221	287
NASA-TT-F-232	225
NASA-TT-F-234	314
NASA-TT-F-235	225
NASA-TT-F-240	314
NASA-TT-F-241	302
NASA-TT-F-242	314
NP-tr-1085	313
NRC-C-4721	313
NRC-C-4985	300
NRL Trans-741	316
Org. 2-4663 U. 551	305
Org. 2-4683 P. 333-205-P. 234	307
Org. 2-4684 P. 333-U. 525	307
Org. 2-4690 U. 205-517	306
Org. 2-4691 P. 216	307
Org. 2-4692 U. 51. 438	304
Org. 2-4694 U. 51	304
Org. 2-4695 P. 314-U. 895	305
Org. 2-4698 P. 342	306
Org. 2-4700 P. 122	306
Org. 2-4701 P. 216-186 U. 411	306
Org. 2-4702 P. 216	307
Org. 2-4703 P. 221	305
Org. 2-4704 P. 231	305
Org. 2-4705 P. 333	307
Org. 2-4706 P. 418	310
Org. 2-4707 P. 418 U. 912	308
Org. 2-4709 P. 333-205	306
Org. 2-4710 P. 303	305
Org. 2-4713 P. 455 U. 556	305
Org. 2-4719 P. 312-315	306
Org. 2-4720 P. 315	305
Org. 2-IRSID-1543 U. 354	306
Org. 2-IRSID-1645 P. 302	314
Org. 2-IRSID-1748 U. 23	302
Org. 2-IRSID-1986 U. 242	302
Org. 2-IRSID-2005 P. 501	303
Org. 2-IRSID-2010 U. 10	314
Org. 2-IRSID-2062 U. 12	316
Org. 2-IRSID-2094 P. 535	306
Org. 2-IRSID-2095 U. 423	307
Org. 2-IRSID-2159 U. 131	307
	310
Org. 2-IRSID-2187 P. 112	308
Org. 2-IRSID-2226 P. 113	307
Org. 2-IRSID-2227 P. 112	280

Number	Page
Org. 2-IRSID-2228 P. 132	307
Org. 2-IRSID-2230 P. 204	306
Org. 2-IRSID-2249 U. 55	308
Org. 2-IRSID-2252 P. 112	268
Org. 2-IRSID-2255 P. 112	268
Org. 2-IRSID-2260 U. 272	302
Org. 2-P. 216 4716	308
Org. 2-P. 314 4697	307
Org. 2-P. 403-536	305
Org. 2-P. 413 4711	307
Org. 2-U. 511 4715	306
Org. 5-5482	295
Org. 5-5494	314
Org. 18-A. 1715	291
Org. 18-A. 1716	270
Org. 18-A. 1718	290
Org. 28-63. 10181	263
Org. 28-63. 12501	294
Org. 36-6475 lal	226
Org. 38-Bull. Doc. 9/10/1963	270
Org. 38-Bull. Doc. Nov. 1963	305
Org. 40	222
	223
	224
	231
	233
	234
	237
	251
	265
	269
Org. 51	260
Org. 54-934-63 42. 766 F. 331	317
Org. 54-976-63 F. 12-41611	265
Org. 54-984-63 K. 26-41653	280
Org. 54-986-63 C. 2420-41815	265
Org. 54-987-63 D. 11-42376	265
Org. 54-988-63 C. 24213-41814	265
Org. 54-989-63 C. 22-41621	266
Org. 54-990-63 B. 21-41633	270
Org. 54-1000-63 K. 13-42337	279
Org. 54-1001-63 42. 358 I-56	279
Org. 54-1002-63 I. 56-42338	277
Org. 54-1009-63 F. 510-41890	288
Org. 54-1013-63 K. 10-42341	277
Org. 54-1022-63 F. 312-41902	266
Org. 54-1025-6341. 882 F. 65	287
Org. 54-1026-63 H. 12-41898	271
Org. 54-1030-63 B. 53-41243	270
Org. 54-1036-63 K. 21-42050	283
Org. 54-1038-63 C. 330-29585	265
Org. 54-1039-63 19. 117 C. 330	270
Org. 54-1040-63 B. 20-41893	271
Org. 54-1041-63 D. 100-41892	266
Org. 54-1042-63 E. 6cl-41901	266
Org. 54-1043-63 I. 44-41932	271
Org. 54-1052-63 B. 34-42143	265
Org. 54-1054-63 H. 21-42466	270
Org. 54-1067-63 K. 40-42052	280
Org. 54-1307-63 B. 20-41883	270
Org. 55	259
	263
	315
Org. 55-29053bis	270
Org. 55-29305bis	287
Org. 62-IIc52	221

Number	Page
Org. 62-IIc52 (con)	222
Org. 62-V12-189	221
Org. 62-V12-199	222
Org. 62-V12-216 XIg2-129	222
Org. 62-V12-217	221
Org. 62-Vd2-62 Vd3-15	221
Org. 62-Vd2-63 Vd3-16	221
Org. 62-Vd2-67	221
Org. 62-Vlo-117	222
Org. 62-Vk3-196	222
Org. 62-Vp1-144	222
Org. 62-XIdl-19	222
Org. 62-XIf2-55	221
Org. 62-XIgI-121	221
Org. 62-XIh6-13	222
Org. 62-XIIg2-117	222
Org. 72-702	279
Org. 72-706	294
Org. 72-707	294
Org. 72-4356	268
Org. 78-T. 5232	295
Org. 80-4347	267
Org. 80-4348	267
Org. 80-4349	266
Org. 80-4350	267
Org. 80-4351	267
Org. 80-4352	268
Org. 80-4354	268
Org. 80-4355	269
Org. 80-4359	232
Org. 80-4360	267
Org. 80-4364	267
Org. 80-4365	268
Org. 113-BFT 1419	312
Org. 140-835-263	270
Org. 140-842-363	235
Org. 140-847-363	313
Org. 140-871-463	255
Org. 140-878-463	263
Org. 140-913-663	249
Org. 140-922-663	246
Org. 140-934-663	253
Org. 140-943-763	249
Org. 140-945-763	233
Org. 140-948-763	248
Org. 140-949-763	245
Org. 140-960-763	259
Org. 140-963-863	269
Org. 144-N. 2253/T. 236	291
Org. 144-N. 2257/T. 235	263
Org. 144-N. 2258/T. 234	264
Org. 144-N. 2273/T. 237	294
Org. 152-63-0671T. 11134	303
Org. 156-471	311
Org. 167-63-83	292
Org. 172	293
Org. 172-V. R-1/61 anal. No. 26	293
Org. 172-V. R-1/62 anal. No. 64	294
Org. 172-V. R-1/62 anal. No. 65	293
Org. 172-V. R-1/63	293
Org. 172-V. R-1/63 anal. No. 63	293
Org. 172-V. R-2/61 anal. No. 119	293
Org. 172-V. R-2/61 anal. No. 157	294
Org. 172-V. R-2/61 anal. No. 180	293
Org. 172-V. R-2/63 anal. No. 177	293
Org. 172-V. R. -3/62 anal. No. 242	292
Org. 172-V. R-4/61 anal. No. 354	294
Org. 172-V. R-4/62 anal. No. 391	293
Org. 172-V. R-5/61 anal. No. 425	293
Org. 172-V. R-5/61 anal. No. 428	293
Org. 172-V. R-5/62 anal. No. 463	293
Org. 172-V. R-6/62 anal. No. 554	293
Org. 172-V. R-6/62 anal. No. 595	293
Org. 172-V. R-6/62 anal. No. 619	293
PB-30437	279
PB-33008 (pt. of 17668)	299
PB-73566	272
	282
PB-75806	280

Number	Page
PB-75807	280
PB-75809	280
PB-75810	280
PB-75811	280
PB-76447	261
PB-105489	282
	284
PL-480 AEC (TT-64-11451/2)	313
PL-480 Agr (TT-60-21412)	251
PL-480 Agr (TT-60-21552)	296
PL-480 Agr (TT-61-11324)	234
PL-480 Agr (TT-61-11330)	223
PL-480 Agr (TT-61-11332)	224
PL-480 Agr (TT-61-11334)	224
PL-480 Agr (TT-61-11339)	251
PL-480 Agr (TT-61-11370)	253
PL-480 Agr (TT-61-11372)	252
PL-480 Agr (TT-61-11374)	260
PL-480 Agr (TT-61-31259)	254
PL-480 Agr (TT-61-31280)	264
PL-480 Agr (TT-61-31281)	264
PL-480 Agr (TT-63-11362)	235
PL-480 Agr (TT-64-11076)	223
PL-480 Agr (TT-64-11079)	222
PL-480 Agr (TT-64-11080)	234
PL-480 Agr (TT-64-11082)	252
PL-480 Comm (TT-61-11309)	266
PL-480 Comm (TT-62-11061)	318
PL-480 Comm (TT-64-11017)	266
PL-480 Comm (TT-64-11095)	313
PL-480 HEW (TT-63-11408/5-6)	237
PL-480 HEW (TT-63-11415/6)	248
PL-480 HEW (TT-63-11455/1-2)	225
PL-480 HEW (TT-63-11456/3)	225
PL-480 HEW (TT-63-11458/10)	225
PL-480 HEW (TT-64-11116)	241
PL-480 HEW (TT-64-11409/3)	226
PL-480 HEW (TT-64-11410/4)	237
PL-480 HEW (TT-64-11410/5)	237
PL-480 Int (TT-60-21565)	285
PL-480 Int (TT-61-11346)	287
PL-480 Int (TT-62-11756/3)	267
PL-480 Int (TT-63-11099)	271
PL-480 Int (TT-63-11356)	267
PL-480 Int (TT-63-11386)	290
PL-480 Int (TT-63-11388)	309
PL-480 Int (TT-63-11402)	288
PL-480 Int (TT-64-11003)	303
PL-480 Int (TT-64-11105)	268
PL-480 Int (TT-64-11112)	313
PL-480 Int (TT-64-11459/1)	287
PL-480 Int (TT-64-11459/2)	284
PL-480 Smi (TT-64-11110)	290
PL-480 (TT-64-11054)	318
RT-1311	239
RT-2588	244
RTS-1616	231
RTS-2262	269
RTS-2318	289
RTS-2319	271
RTS-2330	317
RTS-2362	286
RTS-2363	317
RTS-2364	270
RTS-2366	287
RTS-2376	264
RTS-2378	264
RTS-2392	251
RTS-2394	312
RTS-2395	312
RTS-2406	279
RTS-2411	292
RTS-2413	288
RTS-2415	308
RTS-2417	310
RTS-2446	264
RTS-2447	281
RTS-2449	248
RTS-2450	303
RTS-2456	314
RTS-2458	288
RTS-2460	268
RTS-2466	283
RTS-2481	291
RTS-2495	233
RTS-2496	295
RTS-2502	269
RTS-2505	316
RTS-2508	303
RTS-2515	295
RTS-2517	284
RTS-2525	302
RTS-2526	267
RTS-2527	267
RTS-2530	295
RTS-2532	266
RTS-2558	310
RTS-2563	288
RTS-2583	302
RTS-2592	317
RTS-2598	289
RTS-2599	301
RTS-2601	289
RTS-2603	252
RTS-2609	226
RTS-2615	289
RTS-2617	313
RTS-2640	302
RTS-2643	295
RTS-2644	316
RTS-2655	223
RTS-2675	314
RTS-2677	295
RTS-2692	302
SLA-57-687	226
SLA-57-1063	299
SLAC-Trans-1	313
SMRE-Trans-4561	311
SNIP-II-A-11-62	284
TC-259	261
TC-270	256
TC-271	259
TC-272	292
TC-293	252
TC-296	254
TC-297	262
TC-300	296
TC-315	294
TC-321	255
TC-326	270
TC-327	270
TC-331	267
TC-338	262
TC-345	235
TC-353	299
TC-355	296
TC-356	253
TC-359	261
TC-360	261
TC-361	257
TRC-Trans-1082	294
TT-59-21105	316
TT-60-12808(BISI-1643)	306
TT-60-14459	311
TT-60-18893(rev.)	237
TT-60-19723	240
TT-60-19800	238
TT-60-21412	251
TT-60-21552	296
TT-60-21565	285
TT-61-10224	265
TT-61-11309	266
TT-61-11324	234
TT-61-11330	223
TT-61-11332	224
TT-61-11334	224
TT-61-11339	251
TT-61-11346	287
TT-61-11370	253
TT-61-11372	252
TT-61-11374	260
TT-61-13036	317
TT-61-13511	312
TT-61-14128	315
TT-61-14278	238
TT-61-15962	294
TT-61-16736	295
TT-61-18089	263
TT-61-18090	264
TT-61-18112	264
TT-61-18234	264
TT-61-18943	285
TT-61-19115	286
TT-61-19701	231
TT-61-20980	315
TT-61-23711	266
TT-61-23960(AD-255 398)	312
TT-61-27007(AD-259 240)	289
TT-61-31259	254
TT-61-31280	264
TT-61-31281	264
TT-62-10302	278
TT-62-10421	318
TT-62-10538	317
TT-62-10539	317
TT-62-11061	318
TT-62-11756/3	267
TT-62-12201(Dogel')	251
TT-62-15998	268
TT-62-18201	292
TT-62-20399	280
TT-62-23958	311
TT-62-24067	265
TT-62-24820	312
TT-62-24821	315
TT-62-24822	315
TT-62-24902	316
TT-62-24905	312
TT-62-24908	315
TT-62-24910	315
TT-62-25897	276
TT-62-26407	268
TT-62-26618	262
TT-62-28413	285
TT-62-28485	254
TT-62-28573	238
TT-62-28625	241
TT-62-28649	223
TT-62-28977	234
TT-62-28983	234
TT-62-28988	234
TT-62-29142	302
TT-62-29145	290
TT-62-29180	237
TT-62-32406	313
TT-63-10251	285
TT-63-10899	295
TT-63-11099	271
TT-63-11356	267
TT-63-11362	235
TT-63-11386	290
TT-63-11388	309
TT-63-11402	288
TT-63-11408/5-6	237
TT-63-11415/6	248
TT-63-11455/1-2	225
TT-63-11456/3	225
TT-63-11458/10	225
TT-63-12230(Hoffmann)	316
TT-63-14306	254
TT-63-15763	270
TT-63-17037(HB-5848)	31
TT-63-20498	245
TT-63-22777(Evteev)	265
TT-63-22792(Bulanzhe)	266
TT-63-26045	302
TT-63-26098	268
TT-63-26268	268
TT-63-26309	317
TT-63-26310	318
TT-63-26350	251
TT-63-26351	251
TT-63-26352	251
TT-63-26497	251
TT-63-26578(ETH-tr. 10)	289
TT-63-26619	230
TT-63-26693	232
TT-63-27027	314
TT-63-27094	244
TT-63-27095	236
TT-63-27096	240
TT-63-27111	314
TT-63-27112	266
TT-63-27133	269
TT-63-27141	315
TT-63-27219	301
TT-63-27745	237
TT-63-27749	238
TT-63-27809	315
TT-63-27830	222
TT-63-27833	223
TT-63-27836	233
TT-63-27887	312
TT-63-27937	259
TT-63-31894	267
TT-64-10585	300
TT-64-11003	303
TT-64-11017	266
TT-64-11054	318
TT-64-11076	223
TT-64-11079	222
TT-64-11080	234
TT-64-11082	252
TT-64-11095	313
TT-64-11105	268
TT-64-11110	290
TT-64-11112	313
TT-64-11116	241
TT-64-11409/3	226
TT-64-11410/4	237
TT-64-11410/5	237
TT-64-11451/2 (AEC-tr-6227/2)	313
TT-64-11459/1	287
TT-64-11459/2	284
TT-64-12385(ATS-55O73I)	225
TT-64-12542-7	267
TT-64-13375	289
TT-64-13376	271
TT-64-13609(AD-428 502)	300
TT-64-13679	269
TT-64-13680	269
TT-64-13681	269
TT-64-13992(AEC-tr-6286)	316
TT-64-14241	284
TT-64-15003	313
TT-64-15039(KFK-tr-137)	260
TT-64-15606	252
TT-64-15708	224
TT-64-15760(SLAC-Trans-1)	313
TT-64-15794(AEC-tr-5872)	316
TT-64-15811 (UCRL-Trans-946(L)	292
TT-64-15825(AEC-tr-6340)	313
TT-64-16014	234
TT-64-16117	263
TT-64-16129	303
TT-64-16193	316
TT-64-16196	231
TT-64-16233	286
TT-64-16273	242
TT-64-16274	242
TT-64-16275	242
TT-64-16339	231
TT-64-16342	243
TT-64-16349	245
TT-64-16939	238
TT-64-16963	315
TT-64-18411	301
TT-64-18414	244
TT-64-18416	239
TT-64-18587	302
TT-64-18594	246
TT-64-18642	243
TT-64-18683	236
TT-64-18715	245
TT-64-18741	248
TT-64-18801	262
TT-64-18946	246

Number	Page
TT-64-18949	227
TT-64-19347	251
TT-64-19553	225
TT-64-19733	225
TT-64-19837	236
TT-64-19840	235
TT-64-19844	236
TT-64-19876	290
TT-64-19890	291
TT-64-19896	278
TT-64-19897(Moiseev)	225
TT-64-19902	235
TT-64-19914	289
TT-64-19916	285
TT-64-19922	313
TT-64-19924	289
TT-64-19925	252
TT-64-19926	289
TT-64-19927	270
TT-64-19928	286
TT-64-19929	317
TT-64-19930	269
TT-64-19932	288
TT-64-19933	303
TT-64-19934	316
TT-64-19935	233
TT-64-19936	312
TT-64-19939	308
TT-64-19941	303
TT-64-19953	268
TT-64-19956	302
TT-64-19957	287
TT-64-19958	284
TT-64-19959	295
TT-64-19960	223
TT-64-19961	267
TT-64-19963	283
TT-64-19964	288
TT-64-19965	314
TT-64-19966	248
TT-64-19967	281
TT-64-19968	264
TT-64-19989	291
TT-64-19990	295
TT-64-19991	295
TT-64-19993	301
TT-64-19994	266
TT-64-19995	295
TT-64-19996	269
TT-64-19997	295
TT-64-19998	264
TT-64-20232	289
TT-64-20275	238
TT-64-20276	260
TT-64-20282	245
TT-64-20291	290
TT-64-20301	282
TT-64-20302	282
TT-64-20303	282
TT-64-20304	284
TT-64-20305	282
TT-64-20388	289
TT-64-20412	271
TT-64-20415	276
TT-64-20418	263
TT-64-20423	284
TT-64-20434	271
TT-64-20442	296
TT-64-20444	284
TT-64-20454	282
TT-64-20455	272
TT-64-20461	261
TT-64-20495	277
TT-64-20526	277
TT-64-20539	280
TT-64-20540	280
TT-64-20541	280
TT-64-20542	280
TT-64-20543	280
TT-64-20544	276
TT-64-20550	294
TT-64-20554	283
TT-64-20566	298
TT-64-20597	290
TT-64-20804	248
TT-64-20822	304
TT-64-20824	285
TT-64-20889	288
TT-64-20906	231
TT-64-20916	244
TT-64-20930	285
TT-64-20931	285
TT-64-20938	314
TT-64-21118	245
TT-64-22274(ATS-92R75R)	253
TT-64-22281(ATS-91R75R)	253
TT-64-22282(ATS-24R76R)	253
TT-64-22601(NRC-C-4985)	300
TT-64-23514	226
TT-64-23529	316
TT-64-23532	302
TT-64-23584	290
TT-64-23592	252
TT-64-23597	263
TT-64-23608	317
TT-64-23609	267
TT-64-23626	245
TT-64-23627	252
TT-64-23628	239
TT-64-23629	242
TT-64-23638	235
TT-64-23639	242
TT-64-23640	230
TT-64-23647	264
TT-64-25356(AMERICAN)	300
TT-64-25356 (p. 1-37) (Shtraus)	301
TT-64-25356 (p. 39-84) (Lyubich)	301
TT-64-25356 (p. 85-126) (Besov)	300
TT-64-25356 (p. 127-156) (Dzhrbashyan)	300
TT-64-25356 (p. 157-192) (Shmul'yan)	301
TT-64-25356 (p. 193-228) (Lidskii)	301
TT-64-25356 (p. 229-255) (Kublanovskaya)	301
TT-64-25356 (p. 257-269) (Kublanovskaya)	301
TT-64-25356 (p. 271-290) (Kublanovskaya)	301
TT-64-25357(AMERICAN)	300
TT-64-25357 (p. 1-48) (Eidel'man)	300
TT-64-25357 (p. 49-120) (Eidel'man)	300
TT-64-25357 (p. 121-154) (Slobodetskii)	301
TT-64-25357 (p. 155-213) (Chzhou)	300
TT-64-25357 (p. 215-317) (Dezin)	300
TT-64-26091	265
TT-64-26099	294
TT-64-26231	223
TT-64-26248	226
TT-64-26256	313
TT-64-26388(Euro-T. S. 124)	317
TT-64-26415	255
TT-64-26423 (Euro-T. S. 891. 431)	271
TT-64-26427	317
TT-64-27401(G/R-2601)	305
TT-64-27402(G/R-2602)	307
TT-64-27403(G/R-2603)	307
TT-64-27404(G/R-2604)	305
TT-64-27405(G/R-2605)	305
TT-64-27406(G/R-2606)	307
TT-64-27407(G/R-2607)	306
TT-64-27408(G/R-2608)	306
TT-64-27409(G/R-2609)	307
TT-64-27410(G/R-2610)	305
TT-64-27411(G/R-2611)	305
TT-64-27412(G/R-2612)	307
TT-64-27413(G/R-2613)	310
TT-64-27414(G/R-2614)	308
TT-64-27415(G/R-2615)	306
TT-64-27416(G/R-2616)	305
TT-64-27417(G/R-2617)	305
TT-64-27418(G/R-2618)	306
TT-64-27419(G/R-2619)	305
TT-64-27420(G/R-2620)	306
TT-64-27421(G/R-2621)	314
TT-64-27422(G/R-2622)	302
TT-64-27423(G/R-2623)	302
TT-64-27424(G/R-2624)	303
TT-64-27425(G/R-2625)	314
TT-64-27426(G/R-2626)	316
TT-64-27427(G/R-2627)	306
TT-64-27428(G/R-2628)	307
TT-64-27429(G/R-2629)	307
TT-64-27430(G/R-2630)	310
TT-64-27431(G/R-2631)	308
TT-64-27432(G/R-2632)	306
TT-64-27433(G/R-2633)	308
TT-64-27434(G/R-2634)	268
TT-64-27435(G/R-2635)	268
TT-64-27436(G/R-2636)	302
TT-64-27437(G/R-2637)	295
TT-64-27438(G/R-2638)	314
TT-64-27439(G/R-2639)	291
TT-64-27440(G/R-2640)	270
TT-64-27441(G/R-2641)	290
TT-64-27442(G/R-2643)	226
TT-64-27443(G/R-2644)	263
TT-64-27444(G/R-2645)	294
TT-64-27445(G/R-2646)	270
TT-64-27446(G/R-2647)	305
TT-64-27447(G/R-2648)	233
TT-64-27448(G/R-2649)	234
TT-64-27449(G/R-2650)	234
TT-64-27450(G/R-2651)	251
TT-64-27451(G/R-2652)	269
TT-64-27452(G/R 2653)	265
TT-64-27453(G/R-2654)	234
TT-64-27454(G/R-2655)	222
TT-64-27455(G/R-2656)	231
TT-64-27456(G/R-2657)	224
TT-64-27457(G/R-2658)	223
TT-64-27458(G/R-2659)	222
TT-64-27459(G/R-2660)	222
TT-64-27460(G/R-2661)	222
TT-64-27461(G/R-2662)	224
TT-64-27462(G/R-2663)	224
TT-64-27463(G/R-2664)	224
TT-64-27464(G/R-2665)	223
TT-64-27465(G/R-2666)	223
TT-64-27466(G/R-2667)	224
TT-64-27467(G/R-2668)	224
TT-64-27468(G/R-2669)	237
TT-64-27469(G/R-2670)	224
TT-64-27470(G/R-2671)	233
TT-64-27471(G/R-2672)	223
TT-64-27472(G/R-2673)	223
TT-64-27473(G/R-2674)	223
TT-64-27474(G/R-2675)	224
TT-64-27475(G/R-2676)	224
TT-64-27476(G/R-2677)	234
TT-64-27477(G/R-2678)	270
TT-64-27478(G/R-2679)	271
TT-64-27479(G/R-2680)	270
TT-64-27480(G/R-2681)	270
TT-64-27481(G/R-2682)	265
TT-64-27482(G/R-2683)	265
TT-64-27483(G/R-2684)	265
TT-64-27484(G/R-2685)	266
TT-64-27485(G/R-2686)	265
TT-64-27486(G/R-2687)	266
TT-64-27487(G/R-2688)	265
TT-64-27488(G/R-2689)	266
TT-64-27489(G/R-2690)	265
TT-64-27490(G/R-2691)	266
TT-64-27491(G/R-2692)	288
TT-64-27492(G/R-2693)	271
TT-64-27493(G/R-2694)	270
TT-64-27494(G/R-2695)	271
TT-64-27495(G/R-2696)	277
TT-64-27497(G/R-2698)	277
TT-64-27498(G/R-2699)	279
TT-64-27499(G/R-2700)	283
TT-64-27500(G/R-2701)	280
TT-64-27501(G/R-2702)	280
TT-64-27502(G/R-2704)	315
TT-64-27503(G/R-2705)	270
TT-64-27504(G/R-2706)	287
TT-64-27505(G/R-2707)	259
TT-64-27506(G/R-2708)	263
TT-64-27507(G/R-2709)	222
TT-64-27508(G/R-2710)	222
TT-64-27509(G/R-2711)	221
TT-64-27510(G/R-2712)	221
TT-64-27511(G/R-2713)	221
TT-64-27512(G/R-2714)	222
TT-64-27513(G/R-2715)	221
TT-64-27514(G/R-2716)	221
TT-64-27515(G/R-2717)	222
TT-64-27516(G/R-2718)	222
TT-64-27517(G/R-2719)	221
TT-64-27518(G/R-2720)	222
TT-64-27519(G/R-2721)	221
TT-64-27520(G/R-2722)	222
TT-64-27521(G/R-2723)	221
TT-64-27522(G/R-2724)	222
TT-64-27523(G/R-2725)	222
TT-64-27524(G/R-2726)	295
TT-64-27526(G/R-2728)	267
TT-64-27527(G/R-2729)	267
TT-64-27528(G/R-2730)	266
TT-64-27529(G/R-2731)	267
TT-64-27530(G/R-2732)	267
TT-64-27531(G/R-2733)	268
TT-64-27532(G/R-2734)	268
TT-64-27533(G/R-2735)	269
TT-64-27534(G/R-2736)	232
TT-64-27535(G/R-2737)	267
TT-64-27536(G/R-2738)	267
TT-64-27537(G/R-2739)	268
TT-64-27538(G/R-2740)	312
TT-64-27539(G/R-2741)	270
TT-64-27540(G/R-2742)	235
TT-64-27541(G/R-2743)	313
TT-64-27542(G/R-2744)	255
TT-64-27543(G/R-2745)	263
TT-64-27544(G/R-2746)	249
TT-64-27545(G/R-2747)	246
TT-64-27546(G/R-2748)	253
TT-64-27547(G/R-2749)	249
TT-64-27548(G/R-2750)	233
TT-64-27549(G/R-2751)	248
TT-64-27550(G/R-2752)	245
TT-64-27551(G/R-2753)	259
TT-64-27552(G/R-2754)	269
TT-64-27553(G/R-2755)	303
TT-64-27554(G/R-2756)	311
TT-64-27556(G/R-2758)	292
TT-64-27557(G/R-2759)	291
TT-64-27558(G/R-2760)	263
TT-64-27559(G/R-2761)	264
TT-64-27560(G/R-2762)	294
TT-64-27561(G/R-2763)	292
TT-64-27562(G/R-2764)	293
TT-64-27563(G/R-2765)	293
TT-64-27564(G/R-2766)	293
TT-64-27565(G/R-2767)	293
TT-64-27566(G/R-2768)	293
TT-64-27567(G/R-2769)	293
TT-64-27568(G/R-2770)	293
TT-64-27569(G/R-2771)	293
TT-64-27570(G/R-2772)	293
TT-64-27571(G/R-2773)	293
TT-64-27572(G/R-2774)	293
TT-64-27573(G/R-2775)	293
TT-64-27574(G/R-2776)	294
TT-64-27575(G/R-2777)	294
TT-64-27576(G/R-2778)	294
TT-64-27577(G/R-2779)	293
TT-64-27578(G/R-2780)	293
TT-64-27579(G/R-2781)	293
TT-64-27580(G/R-2782)	293
TT-64-27585(G/X-913)	306
TT-64-27586(G/X-914)	307
TT-64-27587(G/X-915)	304
TT-64-27588(G/X-916)	304
TT-64-27589(G/R-917)	306
TT-64-27590(G/X-927)	270
TT-64-27591(G/X-928)	287
TT-64-27592(G/X-929)	317
TT-64-27593(G/X-930)	294
TT-64-27594(G/X-931)	294
TT-64-27595(G/X-932)	279
TT-64-27596(G/X-933)	268
TT-64-27597(G/X-951)	307
TT-64-27598(G/X-952)	306
TT-64-27599(G/X-953)	308
TT-64-27600(G/X-954)	307
TT-64-27601(G/X-955)	280
TT-64-27602(G/X-956)	307
TT-64-27603(G/X-957)	260
TT-64-27604(G/X-958)	279
TT-64-30028	291
TT-64-30078	286
TT-64-30078(p. 1)	286
TT-64-30078(p. 1a-9)	287
TT-64-30078(p. 10-22)	286
TT-64-30078(p. 23-25)	286
TT-64-30078(p. 26-29)	286
TT-64-30078(p. 30-32)	286
TT-64-30283	234
TT-64-30288	223
TT-64-30289	318
TT-64-30722	228
TT-64-30723	242
TT-64-30724	229
TT-64-30725	228
TT-64-30726	247
TT-64-30727	244
TT-64-30728	233
TT-64-30729	228
TT-64-30730	227
TT-64-30731	229
TT-64-30732	247

Number	Page
TT-64-30733	226
TT-64-30734	248
TT-64-30735	243
TT-64-30736	248
TT-64-30737	248
TT-64-30738	245
TT-64-30739	240
TT-64-30740	220
TT-64-30741	238
TT-64-30742	228
TT-64-30743	238
TT-64-30744	228
TT-64-30745	226
TT-64-30746	250
TT-64-30747	245
TT-64-30748	243
TT-64-30749	231
TT-64-30750	227
TT-64-30751	230
TT-64-30752	246
TT-64-30753	231
TT-64-30754	240
TT-64-30755	243
TT-64-30756	228
TT-64-30757	230
TT-64-30758	243
TT-64-30759	246
TT-64-30760	246
TT-64-30761	229
TT-64-30762	228
TT-64-30763	229
TT-64-30764	229
TT-64-30765	227
TT-64-30766	244
TT-64-30767	227
TT-64-30768	246
TT-64-30769	243
TT-64-30770	243
TT-64-30771	236
TT-64-30772	226
TT-64-30773	243
TT-64-30774	226
TT-64-30775	247
TT-64-30776	247
TT-64-30777	243
TT-64-30778	232
TT-64-30779	242
TT-64-30780	227
TT-64-30781	228
TT-64-30782	228
TT-64-30783	242
TT-64-30784	244
TT-64-30785	227
TT-64-30786	247
TT-64-30787	247
TT-64-30788	247
TT-64-30789	247
TT-64-30790	244
TT-64-30791	244
TT-64-30792	244
TT-64-30793	235
TT-64-30794	236
TT-64-30795	229
TT-64-30796	228
TT-64-30797	232
TT-64-30798	227
TT-64-30799	230
TT-64-30800	227
TT-64-30801	227
TT-64-30802	226
TT-64-30803	228
TT-64-30804	246
TT-64-30805	247
TT-64-30806	246
TT-64-30810	247
TT-64-30812	287
TT-64-30816	255
TT-64-30840	272
TT-64-30841	273
TT-64-30842	295
TT-64-30843	297
TT-64-30844	297
TT-64-30845	276
TT-64-30846	299
TT-64-30847	262
TT-64-30848	296
TT-64-30850	254
TT-64-30852	258
TT-64-30853	276
TT-64-30854	292
TT-64-30855	297
TT-64-30856	299
TT-64-30857	259
TT-64-30858	258
TT-64-30859	258
TT-64-30860	258
TT-64-30861	276
TT-64-30862	273
TT-64-30863	256
TT-64-30864	254
TT-64-30865	259
TT-64-30866	262
TT-64-30867	275
TT-64-30868	254
TT-64-30869	276
TT-64-30870	275
TT-64-30871	272
TT-64-30872	262
TT-64-30873	256
TT-64-30874	259
TT-64-30875	274
TT-64-30876	258
TT-64-30877	257
TT-64-30878	256
TT-64-30879	258
TT-64-30880	257
TT-64-30881	256
TT-64-30882	256
TT-64-30883	256
TT-64-30884	273
TT-64-30885	255
TT-64-30886	263
TT-64-30887	262
TT-64-30888	261
TT-64-30889	254
TT-64-30890	254
TT-64-30891	258
TT-64-30892	275
TT-64-30893	272
TT-64-30894	254
TT-64-30895	257
TT-64-30896	276
TT-64-30897	258
TT-64-30898	258
TT-64-30899	272
TT-64-30900	273
TT-64-30901	272
TT-64-30902	256
TT-64-30903	255
TT-64-30904	295
TT-64-30905	297
TT-64-30906	274
TT-64-30907	257
TT-64-30908	258
TT-64-30909	271
TT-64-30910	275
TT-64-30911	298
TT-64-30912	296
TT-64-30913	297
TT-64-30914	256
TT-64-30915	296
TT-64-30916	258
TT-64-30917	273
TT-64-30918	255
TT-64-30919	281
TT-64-30920	274
TT-64-30921	282
TT-64-30922	261
TT-64-30923	273
TT-64-30924	273
TT-64-30925	272
TT-64-30926	275
TT-64-30927	255
TT-64-30928	274
TT-64-30929	276
TT-64-30930	291
TT-64-30931	254
TT-64-30932	297
TT-64-30933	274
TT-64-30934	274
TT-64-30935	274
TT-64-30936	274
TT-64-30937	275
TT-64-30938	256
TT-64-30939	297
TT-64-30972	269
TT-64-30975	308
TT-64-40175(HB-6385)	306
TT-64-40184(HB-6341)	303
TT-64-41029	291
TT-64-41575	234
TT-64-41675	270
TT-64-41702	226
TT-64-71205(AD-603 696)	225
TT-64-71513(N64-26961)	269
TT-64-71590(N64-29492)	314
TT-64-71591(N64-29493)	314
TT-64-71592(N64-29497)	225
TT-64-71593(N64-29498)	314
TT-64-71594(N64-29499)	302
TT-64-71595(N64-29512)	225
TT-64-71596(N64-30076)	287
TT-64-71597(N64-30088)	317
TT-65-10002	261
TT-65-10030	224
TT-65-10039	262
TT-65-10048	282
TT-65-10049	254
TT-65-10080	287
TT-65-10081	287
TT-65-10099	296
TT-65-10103	279
TT-65-10104	279
TT-65-10107	296
TT-65-10108	255
TT-65-10116	284
TT-65-10119	265
TT-65-10134	253
TT-65-10141	298
TT-65-10146	261
TT-65-10154	292
TT-65-10156	268
TT-65-10500	278
TT-65-10501	285
TT-65-10502	285
TT-65-10503	286
TT-65-10504	271
TT-65-10505	277
TT-65-10506	277
TT-65-10507	309
TT-65-10508	252
TT-65-10509	298
TT-65-10510	309
TT-65-10511	304
TT-65-10512	308
TT-65-10513	290
TT-65-10514	271
TT-65-10515	272
TT-65-10516	289
TT-65-10517	272
TT-65-10518	292
TT-65-10519	281
TT-65-10520	281
TT-65-10521	282
TT-65-10522	275
TT-65-10523	299
TT-65-10524	308
TT-65-10525	273
TT-65-10526	287
TT-65-10527	277
TT-65-10528	273
TT-65-10529	291
TT-65-10530	278
TT-65-10531	263
TT-65-10532	283
TT-65-10533	278
TT-65-10534	272
TT-65-10535	279
TT-65-10536	272
TT-65-10537	272
TT-65-10538	275
TT-65-10539	290
TT-65-10540	273
TT-65-10541	283
TT-65-10542	283
TT-65-10543	274
TT-65-10544	311
TT-65-10545	309
TT-65-10546	286
TT-65-10547	299
TT-65-10548	290
TT-65-10549	280
TT-65-10550	296
TT-65-10551	296
TT-65-10552	279
TT-65-10553	297
TT-65-10554	275
TT-65-10555	279
TT-65-10556	286
TT-65-10557	282
TT-65-10558	285
TT-65-10559	278
TT-65-10560	277
TT-65-10561	277
TT-65-10562	283
TT-65-10563	284
TT-65-10564	278
TT-65-10565	285
TT-65-10566	279
TT-65-10567	282
TT-65-10568	273
TT-65-10569	273
TT-65-10570	271
TT-65-10571	311
TT-65-10572	273
TT-65-10573	278
TT-65-10574	260
TT-65-10575	309
TT-65-10576	277
TT-65-10577	282
TT-65-10578	308
TT-65-10579	278
TT-65-10580	259
TT-65-10581	275
TT-65-10582	259
TT-65-10583	310
TT-65-10584	274
TT-65-10585	297
TT-65-10586	313
TT-65-10587	281
TT-65-10588	277
TT-65-10589	297
TT-65-10590	298
TT-65-10591	263
TT-65-10592	278
TT-65-10593	261
TT-65-10594	253
TT-65-10505	260
TT-65-10596	303
TT-65-10597	263
TT-65-10598	258
TT-65-10599	256
TT-65-10600	257
TT-65-10601	278
TT-65-10602	298
TT-65-10603	297
TT-65-10604	298
TT-65-10605	297
TT-65-10606	255
TT-65-10607	255
TT-65-10608	260
TT-65-10609	298
TT-65-10610	273
TT-65-10611	283
TT-65-10612	281
TT-65-10613	297
TT-65-10614	283
TT-65-10615	260
TT-65-10616	257
TT-65-10617	259
TT-65-10618	257
TT-65-10619	252
TT-65-10620	284
TT-65-10621	280
TT-65-10622	261
TT-65-10623	309
TT-65-10624	283
TT-65-10625	262
TT-65-10626	298
TT-65-10627	277
TT-65-10628	284
TT-65-10629	292
TT-65-10630	256
TT-65-10631	283
TT-65-10632	284
TT-65-10633	280
TT-65-10634	277
TT-65-10635	304
TT-65-10636	310
TT-65-10637	278
TT-65-10638	278
TT-65-10639	298
TT-65-10640	256
TT-65-10641	290
TT-65-10642	275
TT-65-10643	291
TT-65-10644	256
TT-65-10645	260
TT-65-10646	260
TT-65-10647	262
TT-65-10648	261
TT-65-10649	257
TT-65-10650	252
TT-65-10651	262
TT-65-10652	298
TT-65-10653	311
TT-65-10654	256
TT-65-10655	257
TT-65-10656	273
TT-65-10657	297
TT-65-10658	297
TT-65-10659	292
TT-65-10660	291
TT-65-10661	274
TT-65-10662	251
TT-65-10663	274

Number	Page
TT-65-10664	274
TT-65-10665	275
TT-65-10666	259
TT-65-10667	274
TT-65-10668	258
TT-65-10669	258
TT-65-10670	274
TT-65-10671	275
TT-65-10672	257
TT-65-10673	274
TT-65-10674	282
TT-65-10675	257
TT-65-10676	272
TT-65-10677	282
TT-65-10678	273
TT-65-10679	276
TT-65-10680	311
TT-65-10681	259
TT-65-10682	253
TT-65-10683	283
TT-65-10684	279
TT-65-10685	279
TT-65-10686	255
TT-65-10687	253
TT-65-10688	279
TT-65-10689	299
TT-65-10690	265
TT-65-10691	261
TT-65-10692	276
TT-65-10693	275
TT-65-10695	255
TT-65-106[illegible]	318
TT-65-10698	260
TT-65-10699	294
TT-65-10700	276
TT-65-10701	280
TT-65-10702	230
TT-65-10703	275
TT-65-10704	262
TT-65-10706	258
TT-65-10707	297
TT-65-10708	250
TT-65-10709	272
TT-65-10710	277
TT-65-10712	299
TT-65-10713	257
TT-65-10715	261
TT-65-10717	260
TT-65-40000 (CTS(Chem)-369)	299
TT-65-40001 (CTS(Chem)-372)	299
TT-65-40002 (CTS(Chem)-377)	298
TT-65-40004 (CTS(Chem)-363)	299
TT-65-40005 (CTS(Chem)-374)	255
TT-65-40006 (CTS(Chem)-365)	280
TT-65-40007 (CTS(Chem)-361)	281
TT-65-40008 (CTS(Chem)-362)	281
TT-65-40009 (CTS(Chem)-368)	281
TT-65-40010 (CTS(Chem)-364)	281
TT-65-40011 (CTS(Chem)-366)	281
TT-65-40012 (CTS(Chem)-370)	299
TT-65-40013	254
TT-65-40014(TC-300)	296
TT-65-40016(TC-297)	262
TT-65-40017(TC-296)	254
TT-65-40020(TC-293)	252
TT-65-40036(TC-270)	256
TT-65-40037(TC-271)	259
TT-65-40038(TC-272)	292
TT-65-40049(TC-259)	261
TT-65-40053(TC-361)	257
TT-65-40054(TC-360)	261
TT-65-40055(TC-359)	261
TT-65-40058(TC-356)	253
TT-65-40059(TC-355)	296
TT-65-40061(TC-353)	299
TT-65-40066(TC-345)	235
TT-65-40069(TC-338)	262
TT-65-40073(TC-331)	267
TT-65-40074(TC-327)	270
TT-65-40075(TC-326)	270
TT-65-40079(TC-321)	255
TT-65-40081(TC-315)	294
TT-65-40094(TTIS-NS-261)	311
TT-65-40095(TTIS-NS-262)	254
TT-65-40096(TTIS-NS-263)	296
TT-65-40097(TTIS-NS-264)	304
TT-65-40098	276
TT-65-40099(TTIS-NS-266)	259
TT-65-40100(TTIS-NS-267)	304
TT-65-40101(TTIS-NS-268)	292
TT-65-40102(TTIS-NS-269)	291
TT-65-40103(TTIS-NS-270)	291
TT-65-40104(TTIS-NS-271)	304
TT-65-40105(TTIS-NS-272)	259
TT-65-40106(TTIS-NS-273)	248
TT-65-40107(TTIS-NS-274)	308
TT-65-40108(TTIS-NS-275)	298
TT-65-40109(TTIS-NS-276)	299
TT-65-40110(TTIS-NS-277)	255
TT-65-40111(TTIS-NS-278)	315
TT-65-40112(TTIS-NS-279)	308
TT-65-40113(TTIS-NS-280)	311
TT-65-40118(BISI-3898)	309
TT-65-40119(BISI-3915)	304
TT-65-40120(BISI-3916)	303
TT-65-40121(BISI-3918)	311
TT-65-40148(BISI-3888)	310
TT-65-40149(BISI-3889)	309
TT-65-40150(BISI-3907)	310
TT-65-40151(BISI-3914)	305
TT-65-40152(BISI-3939)	316
TT-65-40154(HB-6284)	305
TT-65-40155(HB-6417)	306
TT-65-40156(HB-6331)	310
TT-65-40157(HB-6330)	308
TT-65-40158(HB-6332)	310
TT-65-40159(HB-6293)	305
TT-65-40160(HB-6326)	304
TT-65-40161(HB-6243)	293
TT-65-40162(HB-6396)	302
TT-65-40163(HB-6398)	304
TT-65-40164(HB-6367)	309
TT-65-40165(HB-6080)	309
TT-65-40166(HB-6392)	303
TT-65-40167(HB-6397)	309
TT-65-40168(HB-6261)	303
TT-65-40169(HB-5822)	312
TT-65-40170(HB-5824)	305
TT-65-40171(HB-6379)	312
TT-65-40172(HB-6369)	294
TT-65-40173(HB-6195)	310
TT-65-40174(HB-5854)	303
TT-65-40176(HB-6388)	311
TT-65-40177(HB-6406)	312
TT-65-40178(HB-6405)	307
TT-65-40179(HB-6282)	296
TT-65-40180(HB-6268)	309
TT-65-40181(HB-6246)	308
TT-65-40182(HB-6322)	309
TT-65-40183(HB-6352)	303
TT-65-40185(HB-6340)	286
TT-65-40186(HB-5823)	307
TT-65-40187(HB-6221)	305
TT-65-40188(HB-5870)	304
TT-65-40189(HB-5507)	306
TT-65-40190(HB-5672)	310
TT-65-40191(HB-6314)	305
TT-65-40192(HB-6287)	304
TT-65-40193(HB-5825)	310
TT-65-60069	244
TT-65-60070	261
TT-65-60071	236
TT-65-60080	240
TT-65-60086	238
TT-65-60087	239
TT-65-60088	247
TT-65-60089	253
TT-65-60097	235
TT-65-60098	239
TT-65-60099	246
TT-65-60103	241
TT-65-60141	237
TT-65-60142	227
TT-65-60143	240
TT-65-60144	236
TT-65-60145	239
TT-65-60146	229
TT-65-60147	249
TT-65-60148	247
TT-65-60149	251
TT-65-60150	250
TT-65-60151	241
TT-65-60152	239
TT-65-60153	232
TT-65-60154	240
TT-65-60155	252
TT-65-60156	249
TT-65-60157	238
TT-65-60158	230
TT-65-60159	233
TT-65-60160	238
TT-65-60161	250
TT-65-60162	249
TT-65-60163	250
TT-65-60164	234
TT-65-60165	230
TT-65-60166	233
TT-65-60167	245
TT-65-60168	239
TT-65-60169	239
TT-65-60170	245
TT-65-60171	242
TT-65-60172	237
TT-65-60173	237
TT-65-60174	235
TT-65-60175	244
TT-65-60176	232
TT-65-60177	235
TT-65-60178	236
TT-65-60179	252
TT-65-60180	238
TT-65-60181	240
TT-65-60182	229
TT-65-60183	237
TT-65-60184	240
TT-65-60185	227
TT-65-60186	250
TT-65-60187	249
TT-65-60189	249
TT-65-60190	249
TT-65-60191	248
TT-65-60192	233
TT-65-60193	241
TT-65-60194	249
TT-65-60195	250
TT-65-60196	249
TT-65-60197	241
TT-65-60198	288
TT-65-60199	232
TT-65-60200	232
TT-65-60201	229
TT-65-60202	230
TT-65-60203	232
TT-65-60204	240
TT-65-60205	239
TT-65-60206	248
TT-65-60207	241
TT-65-60208	242
TT-65-60209	228
TT-65-60210	242
TT-65-60211	250
TT-65-60213	231
TT-65-60214	288
TT-65-60215	246
TT-65-60216	243
TT-65-60217	250
TT-65-60218	233
TT-65-60219	231
TT-65-60220	231
TT-65-60221	241
TT-65-60222	231
TT-65-60223	232
TT-65-60224	233
TT-65-60225	242
TT-65-60231	239
TT-65-60232	243
TT-65-60233	229
TT-65-60235	230
TT-65-60236	226
TT-65-60237	241
TT-65-60238	245
TT-65-60239	281
TT-65-60259(AD-608 604)	314
TT-65-60260(AD-608 614)	241
TT-65-60263(AD-608 599)	285
TT-65-60264(AD-608 600)	311
TT-65-60265(AD-608 601)	271
TT-65-60266(AD-608 602)	316
TT-65-60267(AD-608 603)	229
TT-65-60298	232
TT-65-60309(AD-608 650)	226
TT-65-60347	264
TT-65-60348	251
TT-65-60349	279
TT-65-60350	310
TT-65-60351	288
TT-65-60352	302
TT-65-60354	317
TT-65-60355	289
TT-65-60356	314
TT-65-60357	302
TT-65-60359	310
TT-65-60360	292
TT-65-60361	312
TT-65-60406(AD-608 734)	295
TT-65-60407(AD-608 751)	271
TT-65-60413(AD-608 886)	225
TT-65-60416(AD-608 948)	288
TT-65-60418(AD-608 933)	266
TTIS-NS-261	311
TTIS-NS-262	254
TTIS-NS-263	296
TTIS-NS-264	304
TTIS-NS-265	276
TTIS-NS-266	259
TTIS-NS-267	304
TTIS-NS-268	292
TTIS-NS-269	291
TTIS-NS-270	291
TTIS-NS-271	304
TTIS-NS-272	259
TTIS-NS-273	248
TTIS-NS-274	308
TTIS-NS-275	298
TTIS-NS-276	299
TTIS-NS-277	255
TTIS-NS-278	315
TTIS-NS-279	308
TTIS-NS-280	311
UCRL-Trans-946(L)	292

U. S. DEPARTMENT OF COMMERCE FIELD OFFICES
PROVIDE READY ACCESS TO COMMERCE SERVICES

- The Department of Commerce maintains Field Offices in the cities listed below for the purpose of providing ready access to the reports, publications, and services of the Business and Defense Services Administration, Bureau of International Commerce, Clearinghouse for Federal Scientific and Technical Information, Office of Business Economics, and the Bureau of the Census. Information on activities of the National Bureau of Standards, Patent Office, and the Area Redevelopment Administration are also available.
- Experienced personnel will gladly assist in the solution of specific problems, explain the scope and meaning of regulations administered by the Department, and provide practical assistance in the broad field of domestic and foreign commerce. Field offices act as official sales agents of the Superintendent of Documents and stock a wide range of official Government publications relating to business. Each office maintains an extensive business reference library containing periodicals, directories, publications, and reports from official as well as private sources.
- Approximately 600 Chambers of Commerce, Manufacturers Associations, and similar business groups are official Cooperative Offices of the Department where many of the basic publications and reports of the Department are on file and available for consultation. If specific information is not on hand in the Cooperative Office, your problem will be referred to the nearest Department field office.
- These facilities have been established to assist you. You are invited to use them.

DOMESTIC TRADE

Population Count and Characteristics
Housing Statistics
Detailed Agricultural Data on County Basis
Retail, Wholesale and Service Business
Estimates on Population Movements
National Income Statistics
Regional Trends in United States Economy
Biennial Volume on Business Statistics
Current Releases and Business Indicators
Research Sources on Market Potentials
Development and Maintenance of Markets
Reports on Governmental and Private Technical Research
Regional and Community Development Techniques
Information on Government Procurement, Sales and Contracts

FOREIGN TRADE

Tariff Rates of Foreign Countries on Specific American Products
Regulations Bearing on the Control of Exchange Abroad
Administration of Regulations Imposing Import Quotas and the Details of Import Licensing Procedures in Overseas Markets
Facts on Economic and Trade Conditions
Business Information on Foreign Firms
Documentation of Export and Import Shipments, Both Here and Abroad
Statistical Data on Both Imported and Exported Products
Assistance on Export Regulations and Problems, Including Prompt Special Service in Emergency Situations
Trade Investment and Licensing Opportunities
Foreign Lists of Buyers and Suppliers

Department Field Offices

Albuquerque, N. Mex., 87101, U.S. Courthouse. 247-0311.
Anchorage, Alaska, 99501, Room 306, Loussac-Sogn Building. Phone: BR 2-9611.
Atlanta, Ga., 30303, 75 Forsyth St., N.W. 526-6000.
Baltimore, Md., 21202, 305 U.S. Customhouse, Gay and Lombard Streets. Phone: PLaza 2-8460.
Birmingham, Ala., 35203, Title Bldg., 2030 Third Ave., North. Phone: 325-3131.
Boston, Mass., 02110, Room 230, 80 Federal Street. CApitol 3-2312.
Buffalo, N.Y., 14203, 504 Federal Building, 117 Ellicott Street. Phone: 842-3208.
Charleston, S.C., 29401, No. 4, North Atlantic Wharf. Phone: 722-6551.
Charleston, W. Va., 25301, 3002 New Federal Office Building, 500 Quarrier Street. Phone: 343-6196.
Cheyenne, Wyo., 82001, 207 Majestic Bldg., 16th & Capitol Ave. Phone: 634-5920.
Chicago, Ill., 60604, 1486 New Federal Building, 219 South Dearborn Street. Phone: 828-4400.
Cincinnati, Ohio, 45202, 8028 Federal Office Building, 550 Main Street. Phone: 381-2200.
Cleveland, Ohio, 44101, 4th Floor, Federal Reserve Bank Bldg., East 6th St. & Superior Ave. 241-7900.
Dallas, Tex., 75202, Room 1200, 1114 Commerce Street. RIverside 9-3287.
Denver, Colo., 80202, 142 New Custom House, 19th & Stout Street. Phone: 297-3246.
Des Moines, Iowa, 50309, 1216 Paramount Building, 509 Grand Avenue. Phone: 284-4222.
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Hartford, Conn., 06103, 18 Asylum St. Phone: 244-3530.
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Kansas City, Mo., 64106, Room 2011, 911 Walnut Street. BAltimore 1-7000.
Los Angeles, Calif., 90015, Room 450, Western Pacific Building, 1031 S. Broadway. 688-2833.
Memphis, Tenn., 38103, 345 Federal Office Building, 167 N. Main Street. Phone: 534-3214.
Miami, Fla., 33130, 1628 Federal Office Bldg., 51 S.W. First Avenue. Phone: 350-5267.
Milwaukee, Wis., 53203, Straus Bldg., 238 W. Wisconsin Avenue. Phone: BR 2-8600.
Minneapolis, Minn., 55401, Room 304, Federal Bldg., 110 South Fourth Street. Phone: 334-2133.
New Orleans, La., 70130, 909 Federal Office Building (South), 610 South Street. Phone: 527-6546.
New York, N. Y., 10001, 61st Fl., Empire State Bldg., 350 Fifth Avenue. LOngacre 3-3377.
Philadelphia, Pa., 19107, Jefferson Building, 1015 Chestnut Street. 597-2850.
Phoenix, Ariz., 85025, New Federal Bldg., 230 N. First Avenue. Phone: 261-3285.
Pittsburgh, Pa., 15219, Room 2201, Federal Building, 1000 Liberty Avenue. Phone: 644-2850.
Portland, Oreg., 97204, 217 Old U. S. Courthouse, 520 S. W. Morrison Street. 226-3361.
Reno, Nev., 89502, 1479 Wells Avenue. Phone: FA 2-7133.
Richmond, Va., 23240, 2105 Federal Building, 400 North 8th Street. Phone: 649-3611.
St. Louis, Mo., 63103, 2511 Federal Building, 1520 Market Street. MAin 2-4243.
Salt Lake City, Utah, 84111, 3235 Federal Building, 125 South State Street. 524-5116.
San Francisco, Calif., 94102, Federal Building, Box 36013. 450 Golden Gate Avenue. Phone: 556-5864.
Santurce, Puerto Rico, 00907, Room 628, 605 Condado Avenue. Phone: 723-4640.
Savannah, Ga., 31402, 235 U. S. Courthouse and Post Office Bldg., 125-29 Bull Street. 232-4321.
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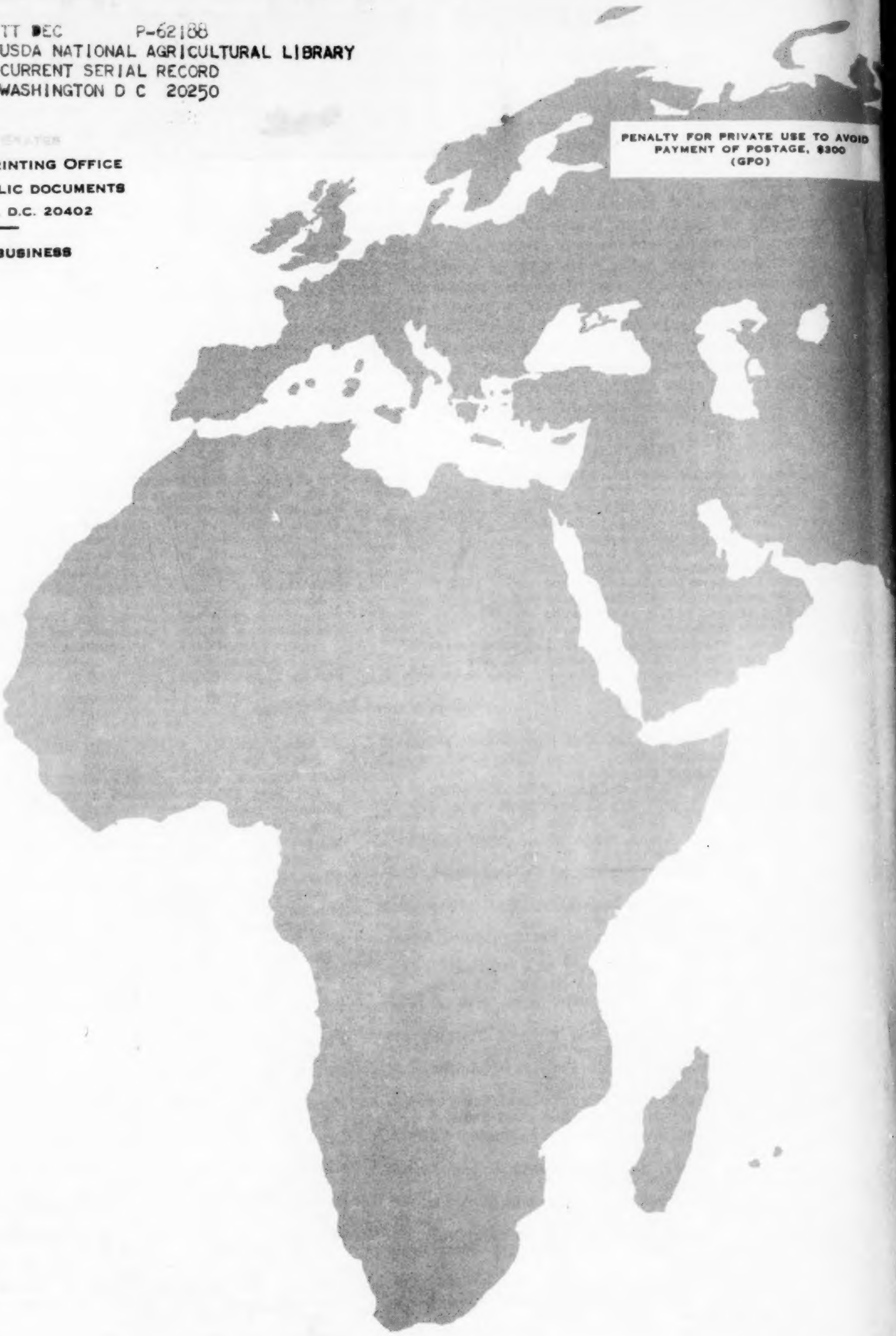

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